

Result	No.	Score	Query	Match	Length	DB	ID	Description
SUMMARIES								
-	1	2725	100.0	2725	14	US-10-054-678-1	Sequence 1, Appli	Sequence 189, App
	2	1940	71.2	1955	14	US-10-175-523-53	Sequence 53, Appli	Sequence 189, App
	3	1807.2	66.3	1812	14	US-10-092-908-36	Sequence 36, Appli	Sequence 189, App
	4	1016.8	37.3	30781	14	US-10-092-908-37	Sequence 37, Appli	Sequence 189, App
	5	328.4	12.1	595	12	US-10-029-386-12070	Sequence 12070, A	Sequence 189, App
	6	279.4	10.3	287	12	US-10-029-386-5770	Sequence 2570, A	Sequence 189, App
	7	258.4	9.5	567	12	US-10-029-386-10900	Sequence 10900, A	Sequence 189, App
	8	258	9.5	258	12	US-10-029-386-2463	Sequence 24603, A	Sequence 189, App
	9	193	7.1	2037	12	US-10-311-455-2270	Sequence 2270, AP	Sequence 189, App
	10	179.6	6.6	2037	12	US-10-311-455-2269	Sequence 2269, AP	Sequence 189, App
	11	150.4	5.5	739	12	US-10-029-125683	Sequence 125683,	Sequence 189, App
	12	150.4	5.5	739	13	US-10-027-632-125683	Sequence 125683,	Sequence 189, App
	13	146.8	5.4	2150	12	US-10-137-870-189	Sequence 189, App	Sequence 189, App
	14	146.8	5.4	2150	12	US-10-140-018-189	Sequence 189, App	Sequence 189, App
	15	146.8	5.4	2150	12	US-10-140-021-189	Sequence 189, App	Sequence 189, App
	16	146.8	5.4	2150	12	US-10-140-274-189	Sequence 189, App	Sequence 189, App
	17	146.8	5.4	2150	12	US-10-140-471-189	Sequence 189, App	Sequence 189, App
	18	146.8	5.4	2150	12	US-10-140-807-189	Sequence 189, App	Sequence 189, App
	19	146.8	5.4	2150	12	US-10-140-922-189	Sequence 189, App	Sequence 189, App
	20	146.8	5.4	2150	12	US-10-140-924-189	Sequence 189, App	Sequence 189, App
	21	146.8	5.4	2150	12	US-10-140-926-189	Sequence 189, App	Sequence 189, App
	22	146.8	5.4	2150	12	US-10-141-698-189	Sequence 189, App	Sequence 189, App
	23	146.8	5.4	2150	12	US-10-141-702-189	Sequence 189, App	Sequence 189, App
	24	146.8	5.4	2150	12	US-10-141-704-189	Sequence 189, App	Sequence 189, App
	25	146.8	5.4	2150	12	US-10-142-421-189	Sequence 189, App	Sequence 189, App
	26	146.8	5.4	2150	12	US-10-142-432-189	Sequence 189, App	Sequence 189, App
	27	146.8	5.4	2150	12	US-10-142-767-189	Sequence 189, App	Sequence 189, App
	28	146.8	5.4	2150	12	US-10-143-033-189	Sequence 189, App	Sequence 189, App
	29	146.8	5.4	2150	12	US-10-144-994-189	Sequence 189, App	Sequence 189, App
	30	146.8	5.4	2150	12	US-10-145-628-189	Sequence 189, App	Sequence 189, App
	31	146.8	5.4	2150	12	US-10-145-631-189	Sequence 189, App	Sequence 189, App
	32	146.8	5.4	2150	12	US-10-145-633-189	Sequence 189, App	Sequence 189, App
	33	146.8	5.4	2150	12	US-10-145-746-189	Sequence 189, App	Sequence 189, App
	34	146.8	5.4	2150	12	US-10-145-748-189	Sequence 189, App	Sequence 189, App
	35	146.8	5.4	2150	12	US-10-145-823-189	Sequence 189, App	Sequence 189, App
	36	146.8	5.4	2150	12	US-10-145-916-189	Sequence 189, App	Sequence 189, App
	37	146.8	5.4	2150	12	US-10-145-870-189	Sequence 189, App	Sequence 189, App
	38	146.8	5.4	2150	12	US-10-145-876-189	Sequence 189, App	Sequence 189, App
	39	146.8	5.4	2150	12	US-10-145-895-189	Sequence 189, App	Sequence 189, App
	40	146.8	5.4	2150	12	US-10-146-724-189	Sequence 189, App	Sequence 189, App
	41	146.8	5.4	2150	12	US-10-146-725-189	Sequence 189, App	Sequence 189, App
	42	146.8	5.4	2150	12	US-10-146-795-189	Sequence 189, App	Sequence 189, App
	43	146.8	5.4	2150	12	US-10-147-495-189	Sequence 189, App	Sequence 189, App
	44	146.8	5.4	2150	12	US-10-147-501-189	Sequence 189, App	Sequence 189, App
	45	146.8	5.4	2150	12	US-10-147-504-189	Sequence 189, App	Sequence 189, App
	46	146.8	5.4	2150	12	US-10-147-506-189	Sequence 189, App	Sequence 189, App
	47	146.8	5.4	2150	12	US-10-147-509-189	Sequence 189, App	Sequence 189, App
	48	146.8	5.4	2150	12	US-10-147-510-189	Sequence 189, App	Sequence 189, App
	49	146.8	5.4	2150	12	US-10-147-511-189	Sequence 189, App	Sequence 189, App
	50	146.8	5.4	2150	12	US-10-147-529-189	Sequence 189, App	Sequence 189, App
	51	146.8	5.4	2150	12	US-10-152-397-189	Sequence 189, App	Sequence 189, App
	52	146.8	5.4	2150	12	US-10-153-586-189	Sequence 189, App	Sequence 189, App
	53	146.8	5.4	2150	12	US-10-158-783-189	Sequence 189, App	Sequence 189, App
	54	146.8	5.4	2150	12	US-10-158-786-189	Sequence 189, App	Sequence 189, App
	55	146.8	5.4	2150	12	US-10-160-019-189	Sequence 189, App	Sequence 189, App
	56	146.8	5.4	2150	12	US-10-140-022-189	Sequence 189, App	Sequence 189, App
	57	146.8	5.4	2150	12	US-10-140-861-189	Sequence 189, App	Sequence 189, App
	58	146.8	5.4	2150	12	US-10-140-862-189	Sequence 189, App	Sequence 189, App
	59	146.8	5.4	2150	12	US-10-141-697-189	Sequence 189, App	Sequence 189, App
	60	146.8	5.4	2150	12	US-10-141-700-189	Sequence 189, App	Sequence 189, App
	61	146.8	5.4	2150	12	US-10-141-705-189	Sequence 189, App	Sequence 189, App
	62	146.8	5.4	2150	12	US-10-141-753-189	Sequence 189, App	Sequence 189, App
	63	146.8	5.4	2150	12	US-10-141-758-189	Sequence 189, App	Sequence 189, App
	64	146.8	5.4	2150	12	US-10-142-418-189	Sequence 189, App	Sequence 189, App
	65	146.8	5.4	2150	12	US-10-142-420-189	Sequence 189, App	Sequence 189, App
	66	146.8	5.4	2150	12	US-10-142-422-189	Sequence 189, App	Sequence 189, App
	67	146.8	5.4	2150	12	US-10-142-427-189	Sequence 189, App	Sequence 189, App
	68	146.8	5.4	2150	12	US-10-142-760-189	Sequence 189, App	Sequence 189, App
	69	146.8	5.4	2150	12	US-10-142-531-189	Sequence 189, App	Sequence 189, App
	70	146.8	5.4	2150	12	US-10-142-840-189	Sequence 189, App	Sequence 189, App
	71	146.8	5.4	2150	12	US-10-142-844-189	Sequence 189, App	Sequence 189, App
	72	146.8	5.4	2150	12	US-10-142-761-189	Sequence 189, App	Sequence 189, App
	73	146.8	5.4	2150	12	US-10-143-117-189	Sequence 189, App	Sequence 189, App
	74	146.8	5.4	2150	12	US-10-143-118-189	Sequence 189, App	Sequence 189, App
	75	146.8	5.4	2150	12	US-10-143-165-189	Sequence 189, App	Sequence 189, App
	76	146.8	5.4	2150	12	US-10-142-887-189	Sequence 189, App	Sequence 189, App
	77	146.8	5.4	2150	12	US-10-142-888-189	Sequence 189, App	Sequence 189, App
	78	146.8	5.4	2150	12	US-10-143-034-189	Sequence 189, App	Sequence 189, App
	79	146.8	5.4	2150	12	US-10-143-116-189	Sequence 189, App	Sequence 189, App
	80	146.8	5.4	2150	12	US-10-143-117-189	Sequence 189, App	Sequence 189, App
	81	146.8	5.4	2150	12	US-10-144-957-189	Sequence 189, App	Sequence 189, App
	82	146.8	5.4	2150	12	US-10-144-992-189	Sequence 189, App	Sequence 189, App
	83	146.8	5.4	2150	12	US-10-145-015-189	Sequence 189, App	Sequence 189, App
	84	146.8	5.4	2150	12	US-10-145-091-189	Sequence 189, App	Sequence 189, App
	85	146.8	5.4	2150	12	US-10-145-629-189	Sequence 189, App	Sequence 189, App
	86	146.8	5.4	2150	12	US-10-145-747-189	Sequence 189, App	Sequence 189, App
	87	146.8	5.4	2150	12	US-10-145-747-189	Sequence 189, App	Sequence 189, App
	88	146.8	5.4	2150	12	US-10-145-752-189	Sequence 189, App	Sequence 189, App

SEQ ID NO	SEQUENCE	TYPE	ORGANISM	ALIGNMENTS
90	Sequence 189	Db		
91	US-10-145-754-189	App		
92	US-10-145-755-189	App		
93	US-10-145-818-189	App		
94	US-10-145-820-189	App		
95	US-10-145-872-189	App		
96	US-10-145-873-189	App		
97	US-10-147-481-189	App		
98	US-10-147-482-189	App		
99	US-10-147-503-189	App		
100	US-10-147-522-189	App		
101	US-10-152-401-189	App		
102	US-10-157-783-189	App		
103	US-10-158-462-189	App		
104	US-10-158-792-189	App		
105	US-10-143-035-189	App		
106	US-10-145-751-189	App		
107	US-10-145-822-189	App		
108	US-10-145-824-189	App		
109	US-10-145-827-189	App		
110	US-10-145-869-189	App		
111	US-10-145-875-189	App		
112	US-10-145-958-189	App		
113	US-10-146-187-189	App		
114	US-10-146-827-189	App		
115	US-10-146-790-189	App		
116	US-10-146-793-189	App		
117	US-10-147-480-189	App		
118	US-10-147-485-189	App		
119	US-10-147-486-189	App		
120	US-10-147-490-189	App		
SEQUENCE 1				
S-10-054-678-1				
Sequence 1, Application US/10054678				
Publication No. US20030027172A1				
GENERAL INFORMATION:				
APPLICANT:	Skilar, Pamela			
APPLICANT:	Lander, Eric S.			
APPLICANT:	McInnis, Melvin G.			
APPLICANT:	DePaulo, Jr., J. Raymond			
APPLICANT:	Willour, Virginia			
APPLICANT:	Porash, James			
TITLE OF INVENTION: ASSOCIATION OF DOPAMINE BETA-HYDROXYLASE				
POLYMORPHISMS WITH BIPOLE DISORDER				
FILE REFERENCE: 2825-2012-004				
CURRENT APPLICATION NUMBER:	US/10/054, 678			
PRIOR APPLICATION NUMBER:	2002-01-22			
PRIOR FILING DATE:	2001-05-10			
PRIOR APPLICATION NUMBER:	US 09/852, 967			
PRIOR FILING DATE:	2000-05-10			
NUMBER OF SEQ ID NOS:	2			
SOFTWARE:	FastSEQ for Windows Version 4.0			
SEQ ID NO 1	LENGTH: 2725			
TYPE: DNA				
ORGANISM: Homo sapiens				
SEQUENCE 2				
S-10-054-678-1				
Sequence 1, Application US/10054678				
Publication No. US20030027172A1				
GENERAL INFORMATION:				
APPLICANT:	Skilar, Pamela			
APPLICANT:	Lander, Eric S.			
APPLICANT:	McInnis, Melvin G.			
APPLICANT:	DePaulo, Jr., J. Raymond			
APPLICANT:	Willour, Virginia			
APPLICANT:	Porash, James			
TITLE OF INVENTION: ASSOCIATION OF DOPAMINE BETA-HYDROXYLASE				
POLYMORPHISMS WITH BIPOLE DISORDER				
PRIOR APPLICATION NUMBER:	US/10/054, 678			
PRIOR FILING DATE:	2002-01-22			
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PRIOR FILING DATE:	2000-05-10			
NUMBER OF SEQ ID NOS:	2			
SOFTWARE:	FastSEQ for Windows Version 4.0			
SEQ ID NO 2	LENGTH: 2725			
TYPE: DNA				
ORGANISM: Homo sapiens				
SEQUENCE 3				
S-10-054-678-1				
Sequence 1, Application US/10054678				
Publication No. US20030027172A1				
GENERAL INFORMATION:				
APPLICANT:	Skilar, Pamela			
APPLICANT:	Lander, Eric S.			
APPLICANT:	McInnis, Melvin G.			
APPLICANT:	DePaulo, Jr., J. Raymond			
APPLICANT:	Willour, Virginia			
APPLICANT:	Porash, James			
TITLE OF INVENTION: ASSOCIATION OF DOPAMINE BETA-HYDROXYLASE				
POLYMORPHISMS WITH BIPOLE DISORDER				
PRIOR APPLICATION NUMBER:	US/10/054, 678			
PRIOR FILING DATE:	2002-01-22			
PRIOR APPLICATION NUMBER:	US 09/852, 967			
PRIOR FILING DATE:	2000-05-10			
NUMBER OF SEQ ID NOS:	2			
SOFTWARE:	FastSEQ for Windows Version 4.0			
SEQ ID NO 3	LENGTH: 2725			
TYPE: DNA				
ORGANISM: Homo sapiens				
SEQUENCE 4				
S-10-054-678-1				
Sequence 1, Application US/10054678				
Publication No. US20030027172A1				
GENERAL INFORMATION:				
APPLICANT:	Skilar, Pamela			
APPLICANT:	Lander, Eric S.			
APPLICANT:	McInnis, Melvin G.			
APPLICANT:	DePaulo, Jr., J. Raymond			
APPLICANT:	Willour, Virginia			
APPLICANT:	Porash, James			
TITLE OF INVENTION: ASSOCIATION OF DOPAMINE BETA-HYDROXYLASE				
POLYMORPHISMS WITH BIPOLE DISORDER				
PRIOR APPLICATION NUMBER:	US/10/054, 678			
PRIOR FILING DATE:	2002-01-22			
PRIOR APPLICATION NUMBER:	US 09/852, 967			
PRIOR FILING DATE:	2000-05-10			
NUMBER OF SEQ ID NOS:	2			
SOFTWARE:	FastSEQ for Windows Version 4.0			
SEQ ID NO 4	LENGTH: 2725			
TYPE: DNA				
ORGANISM: Homo sapiens				
SEQUENCE 5				
S-10-054-678-1				
Sequence 1, Application US/10054678				
Publication No. US20030027172A1				
GENERAL INFORMATION:				
APPLICANT:	Skilar, Pamela			
APPLICANT:	Lander, Eric S.			
APPLICANT:	McInnis, Melvin G.			
APPLICANT:	DePaulo, Jr., J. Raymond			
APPLICANT:	Willour, Virginia			
APPLICANT:	Porash, James			
TITLE OF INVENTION: ASSOCIATION OF DOPAMINE BETA-HYDROXYLASE				
POLYMORPHISMS WITH BIPOLE DISORDER				
PRIOR APPLICATION NUMBER:	US/10/054, 678			
PRIOR FILING DATE:	2002-01-22			
PRIOR APPLICATION NUMBER:	US 09/852, 967			
PRIOR FILING DATE:	2000-05-10			
NUMBER OF SEQ ID NOS:	2			
SOFTWARE:	FastSEQ for Windows Version 4.0			
SEQ ID NO 5	LENGTH: 2725			
TYPE: DNA				
ORGANISM: Homo sapiens				
SEQUENCE 6				
S-10-054-678-1				
Sequence 1, Application US/10054678				
Publication No. US20030027172A1				
GENERAL INFORMATION:				
APPLICANT:	Skilar, Pamela			
APPLICANT:	Lander, Eric S.			
APPLICANT:	McInnis, Melvin G.			
APPLICANT:	DePaulo, Jr., J. Raymond			
APPLICANT:	Willour, Virginia			
APPLICANT:	Porash, James			
TITLE OF INVENTION: ASSOCIATION OF DOPAMINE BETA-HYDROXYLASE				
POLYMORPHISMS WITH BIPOLE DISORDER				
PRIOR APPLICATION NUMBER:	US/10/054, 678			
PRIOR FILING DATE:	2002-01-22			
PRIOR APPLICATION NUMBER:	US 09/852, 967			
PRIOR FILING DATE:	2000-05-10			
NUMBER OF SEQ ID NOS:	2			
SOFTWARE:	FastSEQ for Windows Version 4.0			
SEQ ID NO 6	LENGTH: 2725			
TYPE: DNA				
ORGANISM: Homo sapiens				
SEQUENCE 7				
S-10-054-678-1				
Sequence 1, Application US/10054678				
Publication No. US20030027172A1				
GENERAL INFORMATION:				
APPLICANT:	Skilar, Pamela			
APPLICANT:	Lander, Eric S.			
APPLICANT:	McInnis, Melvin G.			
APPLICANT:	DePaulo, Jr., J. Raymond			
APPLICANT:	Willour, Virginia			
APPLICANT:	Porash, James			
TITLE OF INVENTION: ASSOCIATION OF DOPAMINE BETA-HYDROXYLASE				
POLYMORPHISMS WITH BIPOLE DISORDER				
PRIOR APPLICATION NUMBER:	US/10/054, 678			
PRIOR FILING DATE:	2002-01-22			
PRIOR APPLICATION NUMBER:	US 09/852, 967			
PRIOR FILING DATE:	2000-05-10			
NUMBER OF SEQ ID NOS:	2			
SOFTWARE:	FastSEQ for Windows Version 4.0			
SEQ ID NO 7	LENGTH: 2725			
TYPE: DNA				
ORGANISM: Homo sapiens				
SEQUENCE 8				
S-10-054-678-1				
Sequence 1, Application US/10054678				
Publication No. US20030027172A1				
GENERAL INFORMATION:				
APPLICANT:	Skilar, Pamela			
APPLICANT:	Lander, Eric S.			
APPLICANT:	McInnis, Melvin G.			
APPLICANT:	DePaulo, Jr., J. Raymond			
APPLICANT:	Willour, Virginia			
APPLICANT:	Porash, James			
TITLE OF INVENTION: ASSOCIATION OF DOPAMINE BETA-HYDROXYLASE				
POLYMORPHISMS WITH BIPOLE DISORDER				
PRIOR APPLICATION NUMBER:	US/10/054, 678			
PRIOR FILING DATE:	2002-01-22			
PRIOR APPLICATION NUMBER:	US 09/852, 967			
PRIOR FILING DATE:	2000-05-10			
NUMBER OF SEQ ID NOS:	2			
SOFTWARE:	FastSEQ for Windows Version 4.0			
SEQ ID NO 8	LENGTH: 2725			
TYPE: DNA				
ORGANISM: Homo sapiens				
SEQUENCE 9				
S-10-054-678-1				
Sequence 1, Application US/10054678				
Publication No. US20030027172A1				
GENERAL INFORMATION:				
APPLICANT:	Skilar, Pamela			
APPLICANT:	Lander, Eric S.			
APPLICANT:	McInnis, Melvin G.			
APPLICANT:	DePaulo, Jr., J. Raymond			
APPLICANT:	Willour, Virginia			
APPLICANT:	Porash, James			
TITLE OF INVENTION: ASSOCIATION OF DOPAMINE BETA-HYDROXYLASE				
POLYMORPHISMS WITH BIPOLE DISORDER				
PRIOR APPLICATION NUMBER:	US/10/054, 678			
PRIOR FILING DATE:	2002-01-22			
PRIOR APPLICATION NUMBER:	US 09/852, 967			
PRIOR FILING DATE:	2000-05-10			
NUMBER OF SEQ ID NOS:	2			
SOFTWARE:	FastSEQ for Windows Version 4.0			
SEQ ID NO 9	LENGTH: 2725			
TYPE: DNA				
ORGANISM: Homo sapiens				
SEQUENCE 10				
S-10-054-678-1				
Sequence 1, Application US/10054678				
Publication No. US20030027172A1				
GENERAL INFORMATION:				
APPLICANT:	Skilar, Pamela			
APPLICANT:	Lander, Eric S.			
APPLICANT:	McInnis, Melvin G.			
APPLICANT:	DePaulo, Jr., J. Raymond			
APPLICANT:	Willour, Virginia			
APPLICANT:	Porash, James			
TITLE OF INVENTION: ASSOCIATION OF DOPAMINE BETA-HYDROXYLASE				
POLYMORPHISMS WITH BIPOLE DISORDER				
PRIOR APPLICATION NUMBER:	US/10/054, 678			
PRIOR FILING DATE:	2002-01-22			
PRIOR APPLICATION NUMBER:	US 09/852, 967			
PRIOR FILING DATE:	2000-05-10			
NUMBER OF SEQ ID NOS:	2			
SOFTWARE:	FastSEQ for Windows Version 4.0			
SEQ ID NO 10	LENGTH: 2725			
TYPE: DNA				
ORGANISM: Homo sapiens				

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Dy	1201	TCCCATCTTGCCTCTCAGCTTCAACACCTCACTGGAGAAGGTGGTCAAGTGC	1260	Qy	2341	GGAGGCGAGCAGGCAATTAGCTAGTAGTAGAGATCGCTGGAAATTGCTCCATTCCCTG	2400
Dy	1261	TGGTCCGGACGGGGAGTGGGAGATCTGAAACGAGAACATCACTAGGCCCTCACT	1320	Db	2341	GGAGGCGAGCAGGCAATTAGCTAGTAGTAGAGATCGCTGGAAATTGCTCCATTCCCTG	2400
Dy	1261	TGGTCCGGACGGGGAGTGGGAGATCTGAAACGAGAACATCACTAGGCCCTCACT	1320	Qy	2401	AGTAAACAGATATTTCGCCCACTTAAGGGAGCCCTGACAACATPATCACAAAGA	2460
Dy	1321	TCCAGGAGATCCGATGTTGAGAAGGGTCTGTCGGTCAATCCGGAGATGTGCTCATCA	1380	Db	2401	AGTAAACAGATATTTCGCCCACTTAAGGGAGCCCTGACAACATPATCACAAAGA	2460
Dy	1321	TCCAGGAGATCCGATGTTGAGAAGGGTCTGTCGGTCAATCCGGAGATGTGCTCATCA	1380	Qy	2461	CGAGGGCGCAAAGATTCAGCGGGCTCTGGGGCGGTTCCACGTTGGGGAAATTATT	2520
Dy	1381	CCTCTCTGCACTGACAAACACGGAAACCGGAGCTGGCAAGTGGGGGCTTCGGATCC	1440	Db	2461	CGAGGGCGCAAAGATTCAGCGGGCTCTGGGGCGGTTCCACGTTGGGGAAATTATT	2520
Dy	1381	CCTCTCTGCACTGACAAACACGGAAACCGGAGCTGGCAAGTGGGGGCTTCGGATCC	1440	Qy	2521	AGCACCGACTCTCTCTCTCTGCGGTGGGGCCACCGGGTGGGGTCAAGGGTCAAG	2580
Dy	1441	TGAGGAGATGTTGCTCAACTACGTGTCAGTCACTACTAACCAGGCGAGCTGAGCTCTGCA	1500	Db	2521	AGCACCGACTCTCTCTCTGCGGTGGGGCCACCGGGTGGGGTCAAGGGTCAAG	2580
Dy	1441	TGAGGAGATGTTGCTCAACTACGTGTCAGTCACTACTAACCAGGCGAGCTGAGCTCTGCA	1500	Qy	2581	GCTGTGCTTTCGGTGGTGGTTCCTAGGAGTGTGCTCTCCACATTAGGAGTGTGCTTCACAA	2640
Dy	1501	AGACGGCTGTGACGCCGCTTCCCTGAGAAGTACTTCACCTCATCAAGGGTCAACA	1560	Db	2581	GCTGTGCTTTCGGTGGTGGTGGCTTCACATTAGGAGTGTGCTCTCCACATTAGGAGTGTGCTTCACAA	2640
Dy	1501	AGACGGCTGTGACGCCGCTTCCCTGAGAAGTACTTCACCTCATCAAGGGTCAACA	1560	Qy	2641	TTCCCTGACCCCTCACTTTCTCATCTGTAACACAGGCTGATGCCGTGGGGCTAATGAGC	2700
Dy	1561	ACGAGGACTCTGACCTTCCCTAGGGCTCTGGCTCTGAGTCACTCTGTTCCT	1620	Db	2641	TTCCCTGACCCCTCACTTTCTCATCTGTAACACAGGCTGATGCCGTGGGGCTAATGAGC	2700
Dy	1561	ACGAGGACTCTGACCTTCCCTAGGGCTCTGGCTCTGAGTCACTCTGTTCCT	1620	Qy	2701	CAATAAAGCTCAACCTGGGGTGGC	2725
Dy	1621	GGAATCTCCTCAACGGAGTACTGTAAGGCTTCCGCCATTCTCATGC	1680	Db	2701	CAATAAAGCTCAACCTGGGGTGGC	2725
Dy	1621	GGAATCTCCTCAACGGAGTACTGTAAGGCTTCCGCCATTCTCATGC	1680				
Dy	1681	ATCGCAACAGTCTTCAGCGTCCCTGAGAATGGAACTCTGCAAGCCCTGCCCCA	1740				
Dy	1681	ATCGCAACAGTCTTCAGCGTCCCTGAGAATGGAACTCTGCAAGCCCTGCCCCA	1740				
Dy	1741	AGGTCACTCCACACTGGAGGCCACCCACAGTGCCTGAGGAACTACTCCCT	1800				
Dy	1741	AGGTCACTCCACACTGGAGGCCACCCACAGTGCCTGAGGAACTACTCCCT	1800				
Dy	1801	CTGTGGCCCAACGGTGGGAAAGCTGAGGGGGAACTACTCCCT	1860				
Dy	1801	CTGTGGCCCAACGGTGGGAAAGCTGAGGGGGAACTACTCCCT	1860				
Dy	1861	CCCCCTCCCTCACTGGCTCTGGCTCACTGGCTCACTCTGCGAC	1920				
Dy	1861	CCCCCTCCCTCACTGGCTCTGGCTCACTGGCTCACTCTGCGAC	1920				
Dy	1921	GATCCCCATGGAAAGCGCCCTGAGCCGGAGGATAAGGGCCAGACAGGCCCTG	1980				
Dy	1921	GATCCCCATGGAAAGCGCCCTGAGCCGGAGGATAAGGGCCAGACAGGCCCTG	1980				
Dy	1981	AGACCACTGCTCAATCCAGCTTCTCCCTGGCTCACTGGCTCAAGGGCG	2040				
Dy	1981	AGACCACTGCTCAATCCAGCTTCTCCCTGGCTCACTGGCTCAAGGGCG	2040				
Dy	2041	GGTGCCTGCTGACCTCACTGGCTCACTGGCTCACTGGCTCAAGGGCG	2100				
Dy	2041	GGTGCCTGCTGACCTCACTGGCTCACTGGCTCACTGGCTCAAGGGCG	2100				
Dy	2101	TGACTCACTGCAAGGACACCCGAACAGTGGTCAGGGTCACTGGCTCAAGGGCG	2220				
Dy	2101	TGACTCACTGCAAGGACACCCGAACAGTGGTCAGGGTCACTGGCTCAAGGGCG	2220				
Dy	2221	ATCACCGGGAATGCCCGCCGCTGCTGCTGAGTGGCTCGCTCCCTCGAC	2280				
Dy	2221	ATCACCGGGAATGCCCGCCGCTGCTGCTGAGTGGCTCGCTCCCTCGAC	2280				

Qy	1	TCAGTGGTGGCCAGCTGCCGCCAGATGGGAGCCAGCTGGCTTCATGTACAGCA	60
Db	8	TCAGTGGTGGCCAGCTGCCGCCAGATGGGAGCCAGCTGGCTTCATGTACAGCA	67
Qy	61	CAGCAGTGGCCATCTGGTCACTCTGGTCACTGGTGGCTCCCGTGGCTCCCGTG	120
Db	68	CAGCAGTGGCCATCTGGTCACTCTGGTCACTGGTGGCTCCCGTGGCTCCCGTG	127
Qy	121	AGAGCCCTTCCCTATCACATCCCTGAGCCGGGGCCTCTGACATGAGCTTCATGGA	180
Db	128	AGAGCCCTTCCCTATCACATCCCTGAGCCGGGGCCTCTGACATGAGCTTCATGGA	187
Qy	181	ATGTCAGTACACCCAGGCAAGGCCATCCATTCACTCCCTCTGACAGCTTCATGGA	240
Db	188	ATGTCAGTACACCCAGGCAAGGCCATCCATTCACTCCCTCTGAGGAGCTG	247
Qy	241	GCCCTCTTGGGATGTCGACAGGAGATCTGGTGGCTCTGCTGGTGGCTCT	300
Db	248	GCCGCTCTGGGATGTCGACAGGAGATCTGGTGGCTCTGCTGGTGGCTCT	307
Qy	301	GGACCGATGGGACACTGGCTATTTGGACGCGCTGGAGTACCGAGGAGCTGCA	360
Db	308	GGACCGATGGGACACTGGCTATTTGGACGCGCTGGAGTACCGAGGAGCTGCA	367
Qy	361	ACCTGGATCCACAGGACTACCGGCTGCTGGAGGAGACCCAGAGGCCCTGA	420
Db	368	ACCTGGATCCACAGGACTACCGGCTGCTGGAGGAGACCCAGAGGCCCTGA	427
Qy	421	CCCTGCTTCAAGGGCCCTTGGGACCTGGCTTGGGACCTGGGCTTGGAGACG	480
Db	428	CCCTGCTTCAAGGGCCCTTGGGACCTGGCTTGGGACCTGGGCTTGGAGACG	487
Qy	481	GCACGTGTCACCTGGTCAACGGGATCCTGGAGGAGCCTGGCTTCATGGGCCATCA	540
Db	488	GCACGTGTCACCTGGTCAACGGGATCCTGGAGGAGCCTGGCTTCATGGGCCATCA	547
Qy	541	ACGGGCTGGGCTGAGATGGGGCTGAGAAGGGTGCAGTGGGCAATATCCCG	600
Db	548	ACGGGCTGGGCTGAGAAGGGTGCAGTGGGCAATATCCCG	607
Qy	601	AACCGGAGTGGCCCTCAGAGGCTGACCATGGGATCTGGGCTTCCGGTCACTGGAGCATGATC	660
Db	608	AACCGGAGTGGCCCTCAGAGGCTGACCATGGGATCTGGGCTTCCGGTCACTGGAGCATGATC	667
Qy	661	CCAGCCAGAGACCCAGTACTGGGCTCATTAAGGAGCTTCAAAAGGGCTTCCTCCGC	720
Db	668	CCAGCCAGAGACCCAGTACTGGGCTCATTAAGGAGCTTCAAAAGGGCTTCCTCCGC	727
Qy	721	ACCACATTATAAGTACAGGCCATGGCTGGAGCCATGGGCCCTGTCCACCCA	780
Db	728	ACCACATTATAAGTACAGGCCATGGCTGGAGCCATGGGCCCTGTCCACCCA	787
Qy	781	TGGAACTCTTCAGTGGAGACCACTGGTCTGGAGCTTCAATTAAGGAGCTTCAAAAGGGCTTCCTCCGC	840
Db	788	TGGAACTCTTCAGTGGAGACCACTGGTCTGGAGCTTCAATTAAGGAGCTTCAAAAGGGCTTCCTCCGC	847
Qy	841	ACTCCAGATGAAACCGACCGCTCAACACTACTGGCGCACGTGCTGGCC	900
Db	848	ACTCCAGATGAAACCGACCGCTCAACACTACTGGCGCACGTGCTGGCC	907
Qy	901	TGGTGGCAAGGATTTACTACCCAGGAGATGGCTCCACTGGCC	960
Db	908	TGGTGGCAAGGATTTACTACCCAGGAGATGGCTCCACTGGCC	967
Qy	961	CCTCCAGATATCTCCGCTGGAGTCACTACCAACCCACTGGGCTTCAGGGT	1020
Db	968	CCTCCAGATATCTCCGCTGGAGTCACTACCAACCCACTGGGCTTCAGGGT	1027
Qy	1021	ACGACTCTCAGGATCTGGCTGACTACAGGCCAGCTGGGCTTCAGGGCA	1080
Db	1028	ACGACTCTCAGGATCTGGCTGACTACAGGCCAGCTGGGCTTCAGGGCA	1087

CURRENT APPLICATION NUMBER:	US 10/092, 908
CURRENT FILING DATE:	2002-03-07
PRIOR APPLICATION NUMBER:	US 60/274, 095
PRIOR FILING DATE:	2001-03-07
NUMBER OF SEQ ID NOS:	49
SEQ ID NO:	16
TYPE:	FastSEQ for Windows Version 4.0
LENGTH:	1812
ORGANISM:	Homo sapiens
US-10-092-908-36	
Query Match	65.3%; Score 1807.2; DB 14; Length 1812;
Best Local Similarity	99.8%; Pred. No. 0;
Matches	1839; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy	33 ATGGGGAGGAGCGCTTCAATGTAAGCACAGCACTGGCAATCCCTGCTCATCCCTGCTG 92
Db	1 ATGGGGAGGAGCGCTTCAATGTAAGCACAGCACTGGCAATCCCTGCTG 60
Qy	93 GCGGCACCTGGGCTCGGCTCCCGTGAAGGCCCTCCCTPATCACATCCCCCTGCA 152
Db	61 GCGGCACCTGGGCTCGGCTCCCGTGAAGGCCCTCCCTPATCACATCCCCCTGCA 120
Qy	153 CGGAGGGGCTCTGGAGCTCATGGAACTGGCTCATGGAACTGGGCAATCCATTC 212
Db	121 CGGAGGGGCTCTGGAGCTCATGGAACTGGGCAATCCATTC 180
Qy	213 CAGCTCTGGTGGGAGGGCTCAAGGCTGGCTCTGGATGTTGGATGCCAG 272
Db	181 CAGCTCTGGTGGGAGGGCTCAAGGCTGGCTCTGGATGTTGGATGCCAG 240
Qy	273 CTGGAGAACGAGATCTCTGGCTCTGGAGCTACAGGATGGGACACTGCTATTGCGAC 332
Db	241 CTGGAGAACGAGATCTCTGGCTCTGGAGCTACAGGATGGGACACTGCTATTGCGAC 300
Qy	333 GCTGGAGTACCGAAAGGGAGATCCACCTGATCCACAGGATGGGACTCTGGCT 392
Db	301 GCTGGAGTACCGAAAGGGAGATCCACCTGATCCACAGGATGGGACTCTGGCT 360
Qy	393 CAGETGAGAGGACCCAGAAGGGCTGACCCCTGGCCACCTCTGG 452
Db	361 CAGETGAGAGGACCCAGAAGGGCTGACCCCTGGCCACCTCTGG 420
Qy	453 GACCCAAAGGATTACCTCATTTGAAGAACCCACTGTCACCTGGGATCCCTGGAG 512
Db	421 GACCCAAAGGATTACCTCATTTGAAGAACCCACTGTCACCTGGGATCCCTGGAG 480
Qy	513 GAGCGGTTGGCTCACTGGAGGCCATCAAGGCTGGGCTGGAGATGGGCTGAGAG 572
Db	481 GAGCGGTTGGCTCACTGGAGGCCATCAAGGCTGGGCTGGAGATGGGCTGAGAG 540
Qy	573 GTGGAGGCTCTGAAGGCCAATATCCCGAACCCGAGTGGCCCTCAGACGGCTGACCTG 632
Db	541 GTGGAGGCTCTGAAGGCCAATATCCCGAACCCGAGTGGCCCTCAGACGGCTGACCTG 600
Qy	633 GAGGTCCAAAGCTCCAAATATCCAGATCCAGATCCAGGAGAACACGTAATGGGCTGACAT 692
Db	601 GAGGTCCAAAGCTCCAAATATCCAGATCCAGGAGAACACGTAATGGGCTGACAT 660
Qy	693 AAGGAGCTTCAAGGGCTTCTCTGGACACCATTAAGTAGGACCCATGCTGGGG 752
Db	661 AAGGAGCTTCAAGGGCTTCTCTGGACACCATTAAGTAGGACCCATGCTGGGG 720
Qy	753 AAGGGCAATGAGGCCCTTCTCAGGACCATGGAAGTCTCACTGGAGGATGGAC 812
Db	721 AAGGGCAATGAGGCCCTTCTCAGGACCATGGAAGTCTCACTGGAGGATGGAC 780
Qy	813 AGCTCCCACTTCACTGGGGCTTCTGGCAACTTCAAGATGAAACCGAACCCGCTCAACTAC 872
Db	781 AGCTCCCACTTCACTGGGGCTTCTGGCAACTTCAAGATGAAACCGAACCCGCTCAACTAC 840
Qy	873 TGGCGCCAGTGGCTGGCCCTCTGGCCACGGTGGCAAGGCAATTTACTACCAAGGAA 932
841 TGGCGCCAGTGGCTGGCCCTCTGGCAACTTCAAGATGAAACCGAACCCGCTCAACTAC 900	
933 GCGGCCTTGCCTTCGGGGTCCAGGCTTCTCCAGATATCTCCGGCTGGAACTTCCTAC 992	
901 GCGCGCTTGGCTTGGGGTCCAGGCTTCTGGCAACTTCAAGATGAAACCGAACCCGCTCAACTAC 960	
993 CACRACCAACTGTGGGACTTAAAGGAGAACGACTCTCAGGGCTGGACTGGTACGGCAGTG 1112	
961 CACRACCAACTGTGGGACTTAAAGGAGAACGACTCTCAGGGCTGGACTGGTACGGCAGTG 1080	
1053 GCGAGCTTGGGGCTTAAAGGAGAACGACTCTCAGGGCTGGACTGGTACGGCAGTG 1140	
1021 GCGAGCTTGGGGCTTAAAGGAGAACGACTCTCAGGGCTGGACTGGTACGGCAGTG 1112	
1081 ATGGCATTCCACACGGAGAACGGGACTGGGATGCCAGCTGGCTCATCTCACTGGCTACTGACGGCAAGTGC 1232	
1111 ACCAGCTGGACTGCTCCCTGGGATCCACATCTCAGCTCCACACAC 1200	
1173 CTGACTGGGAAAGGGTCAAGGCTCATGGTCTGGGAGTGGGAGTGGGAGTGGTCTGG 1292	
1141 ACCAGCTGGACTGCTCCCTGGGATCCACATCTCAGCTCCACACAC 1260	
1233 CTGACTGGGAAAGGGTCAAGGCTCATGGTCTGGGAGTGGGAGTGGGAGTGGTCTGG 1352	
1201 CTGACTGGGAAAGGGTCAAGGCTCATGGTCTGGGAGTGGGAGTGGTCTGG 1320	
1251 AACAGGAAATCACTACAGCCCTCACTTCCAGGAAATCCGATGTCGATGTCG 1380	
1353 TCGGTCTTACCCGGAGATGGCTCATCACCTCTGGCTACAGTCAACATGGGAGTGGGAG 1412	
1321 TCGGTCTTACCCGGAGATGGCTCATCACCTCTGGCTACAGTCAACATGGGAGTGGGAG 1380	
1413 CTGGCAGAGTGGGGGTTCCGGATCTGGGAGATGGTCTGACTACCTGGCTAC 1472	
1381 CTGGCAGAGTGGGGGTTCCGGATCTGGGAGATGGTCTGACTACCTGGCTAC 1440	
1473 TACCCAGAGCCAGCTGGAGCTGGCTGGAGAAGGGCTGGAGCTGGAG 1532	
1441 TACCCAGAGCCAGCTGGAGGCTTCTGGAGGGCTGGAGCTGGAG 1500	
1533 TACTTCCACCTCATCACAGGTCACAGGATGTCACCTGGCTCATGGCTCC 1592	
1501 TACTTCCACCTCATCACAGGTCACAGGATGTCACCTGGCTCATGGCTCC 1560	
1593 GCGCTCTGGAGCTTCACTCTGGGAACTCTTCCTGGCTCATGGCTCC 1652	
1561 GCGCTCTGGAGCTTCACTCTGGGAACTCTTCCTGGCTCATGGCTCC 1620	
1653 CTGTAAGCTTCCGCCCATCTGACCTGAAAGTCTGGCTCCCTGCCAG 1712	
1621 CTGTAAGCTTCCGCCCATCTGACCTGAAAGTCTGGCTCCCTGCCAG 1680	
1713 CGTGAATGAACTCTGGAGCCCTGGCTCATCTCAGGCTTCAACTGGG 1772	
1681 CGTGAATGAACTCTGGAGCCCTGGCTCATCTCAGGCTTCAACTGGG 1740	
1773 CGTGCCTCCACCGCCAGGGCCAGGGCCACCTTGTGCAATGGGG 1832	
1741 CGTGCCTCCACCGCCAGGGCCACCTTGTGCAATGGGG 1800	
1833 GGGAAAGGCTGA 1844	
1801 GGGAAAGGCTGA 1812	

RESULT 4

US-10-092-908-37

; Sequence 37, Application US/10092908

; Publication No. US20030040015A1

; GENERAL INFORMATION

RESULT

US-10-092-908-37

US-10-092-908-37



Db 418 GCGTCCTGGATGGCTGGGACCGTGGGACTGCGATCTGGAGCTTGGCTCT 477  
 Qy 301 GGACGGATGGGACACTGGCTATTTGGG 330  
 Db 478 GGACCGCTGGGACACTGGCTATTTGGG 507

RESULT 6  
 US-10-029-386-25770  
 Sequence 25770, Application US 10029386  
 GENERAL INFORMATION:  
 APPLICANT: Penn, Sharron G.  
 APPLICANT: Rank, David R.  
 APPLICANT: Hanzel, David K.  
 TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR GENE EXPRESSION ANALYSIS TWO  
 FILE REFERENCE: AEOMICA-X-2  
 CURRENT APPLICATION NUMBER: US/10/029,386  
 SEQ ID NO: 25770  
 LENGTH: 287  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 FEATURE:  
 OTHER INFORMATION: MAP TO CHR9:3  
 OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 5.1  
 OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 2  
 OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2.2  
 OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 3.5  
 OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 5.1  
 OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.49  
 OTHER INFORMATION: NT HIT: X13257.1, EVALU 0.00e+00  
 OTHER INFORMATION: SWISSPROT HIT: P09172, EVALU 3.00e-40  
 OTHER INFORMATION: EST\_HUMAN HIT: BE382676.1, EVALU 0.00e+00  
 US-10-029-386-25770

Query Match 9.3%; Score 279.4; DB 12; Length 287;  
 Best Local Similarity 99.6%; Pred. No. 6e-66; Indels 0; Gaps 0;  
 Matches 280; Conservative 0; Mismatches 1; Delins 0; Gaps 0;

Db 500 CATGTCAGCACAGGAGTCGCCATCTTCCTGGTCATCCCTGGCCACTGGGGCTC 109  
 1. 1 ATGGTCCCCGTGAGACCCCTCCCTATACATCCCTGACCCGGAGGGCTC 60

Db 110 GGCTTCCCCGTGAGACCCCTCCCTATACATCCCTGACCCGGAGGGCTC 169  
 61 GGCTTCCCCGTGAGACCCCTCCCTATACATCCCTGACCCGGAGGGCTC 120

Db 170 GCTCTCATGAAATGTCAGGTACACCGAGGCCATCCATTCCAGTCTGGCTGGGGCTC 229  
 121 GCTCTCATGAAATGTCAGGTACACCGAGGCCATCCATTCCAGTCTGGGGCTC 180

Db 230 GCTCAAGGGTGGCCTCTGGATCTGGTACCGTGGGAGCTTGGAGAACGGAGATC 289  
 181 GCTCAAGGGTGGCCTCTGGATCTGGTACCGTGGGAGCTTGGAGAACGGAGATC 240

Db 290 CGTGTGTGTGTGGACGGATGGGACACTGGCTATTGGG 330  
 241 CGTGTGTGTGTGGACGGATGGGACACTGGCTATTGGG 281

RESULT 7  
 US-10-029-386-10900/c  
 Sequence 10900, Application US/10029386  
 GENERAL INFORMATION:  
 APPLICANT: Penn, Sharron G.  
 APPLICANT: Rank, David R.  
 APPLICANT: Hanzel, David K.  
 TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR GENE EXPRESSION ANALYSIS TWO  
 FILE REFERENCE: AEOMICA-X-2  
 CURRENT APPLICATION NUMBER: US/10/029,386  
 SEQ ID NO: 34288  
 LENGTH: 258  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 FEATURE:  
 OTHER INFORMATION: MAP TO AC000404.1  
 OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.63  
 OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.1  
 OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.2  
 OTHER INFORMATION: NT HIT: X13259.1, EVALU 0.00e+00  
 OTHER INFORMATION: SWISSPROT HIT: P09172, EVALU 1.00e-46  
 OTHER INFORMATION: EST\_HUMAN HIT: AL514764.1, EVALU 0.00e+00  
 US-10-029-386-10900

Query Match 9.5%; Score 258.4; DB 12; Length 567;  
 Best Local Similarity 99.6%; Pred. No. 3.6e-60; Indels 0; Gaps 0;  
 Matches 259; Conservative 0; Mismatches 1; Delins 0; Gaps 0;

Db 475 AAGAGGGACTGTCCACTTGGTCTGGATCCGGATTCCTGGTCACTGGAGG 534  
 541 AGGAGGGACTGTCCACTTGGTCTGGATCCGGATTCCTGGTCACTGGAGG 482

Db 535 CCATCAACGGCTCGGGCTCGAGATGGGCTGAGGGTCACTGGTCTGGAGCCATA 594  
 481 CCATCAACGGCTCGGGCTCGAGATGGGCTGAGGGTCACTGGTCTGGAGCCATA 422

Db 595 TCCCGAAACGGAACTGGACTGCCCCTCAGAGGTGCACTGGTCTGGAGCCATA 654  
 421 TCCCGAAACGGAGTGCCTCAGGGTGCACATGGAGTCCAGTGGTCACTGGTCTGGAGCCATA 362

Db 655 AGATCCCCAGCCAGGAGCACCTGTGTGTGTACATTAAAGGCTTCAAGGGCTCT 714  
 361 AGATCCCCAGCCAGGAGCACCTGTGTGTGTACATTAAAGGCTTCAAGGGCTCT 302

Query Match 9.5%; Score 258.4; DB 12; Length 567;  
 Best Local Similarity 99.6%; Pred. No. 3.6e-60; Indels 0; Gaps 0;  
 Matches 259; Conservative 0; Mismatches 1; Delins 0; Gaps 0;

Db 715 CTCGGCACCACATATTCAAG 734  
 301 CTCGGCACCACATATTCAAG 282

RESULT 8  
 US-10-029-386-24603/c  
 Sequence 24603, Application US/10029386  
 GENERAL INFORMATION:  
 APPLICANT: Penn, Sharron G.  
 APPLICANT: Rank, David R.  
 APPLICANT: Hanzel, David K.  
 TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR GENE EXPRESSION ANALYSIS TWO  
 FILE REFERENCE: AEOMICA-X-2  
 CURRENT APPLICATION NUMBER: US/10/029,386  
 SEQ ID NO: 34288  
 LENGTH: 258  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 FEATURE:  
 OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.63  
 OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.1  
 OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.2  
 OTHER INFORMATION: NT HIT: X13259.1, EVALU 9.00e-47  
 OTHER INFORMATION: SWISSPROT HIT: P09172, EVALU 0.00e+00  
 OTHER INFORMATION: EST\_HUMAN HIT: AL514764.1, EVALU 0.00e+00  
 US-10-029-386-24603

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Query Match          9.5%:  Score 258;  DB 12;  Length 258;
Best Local Similarity 100.0%;  Pred. No. 3.9e-60;
Matches 258;  Conservative 0;  Mismatches 0;  Indels 0;  Gaps 0;
Qy   477 GACGGCACTGTCACACTGGTCTACGGATCTGGAGAGCGTTCAGGTGACTGGGCC 536
Db   258 GAGGCACTGTCACACTGGTCTACGGATCTGGAGAGCGTTCAGGTGACTGGGCC 199
Qy   537 ATCAACGGCTGGCTCTGAGATGGGTGCAAGAGGGTCAAGCTCTGAAGGCCAATATC 596
Db   198 ATCAACGGCTGGCTCTGAGATGGGTGCAAGAGGGTCAAGCTCTGAAGGCCAATATC 139
Qy   597 CCCGAACGGAGTGTGCCCTAGACCGGTGACCATGGAGTCCAAAGCTCCAAATATCCAG 656
Db   138 CCCGAACGGAGTGTGCCCTAGACCGGTGACCATGGAGTCCAAAGCTCCAAATATCCAG 79
Qy   657 ATCCCGAGCCAGGAGACCAAGTAACTGGTCTACATTAAGAGCTTCCAAAGGCTTCTCT 716
Db   78 ATCCCGAGCCAGGAGACCAAGTAACTGGTCTACATTAAGAGCTTCCAAAGGCTTCTCT 19
Qy   717 CGGCACCACTTACAAG 734
Db   18 CGGCACCACTTACAAG 1

RESULT 9
US-10-311-455-2270/c
; Sequence 2270, Application US/10311455
; Publication No. US20030143606A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: FLEPPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determination of Invention: cytosine methylation
; FILE REFERENCE: 5013.1014
; CURRENT APPLICATION NUMBER: US/10/311,455
; CURRENT FILING DATE: 2002-12-16
; PRIOR APPLICATION NUMBER: PCT/EP01/07537
; PRIOR FILING DATE: 2001-07-02
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 2424
; SEQ ID NO: 2270
; LENGTH: 2037
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)

Query Match          7.1%:  Score 193;  DB 12;  Length 2037;
Best Local Similarity 74.2%;  Pred. No. 3.1e-42;
Matches 244;  Conservative 0;  Mismatches 85;  Indels 0;  Gaps 0;
Qy   1 TCACTGGCCCATCTTCCCTGGAGCCGGCCGACATGGGAGGGAGCCCTTCATGTCGCC 60
Db   338 TCAATCTGGTAAACCACTTCCCTAACTAACCTAACTAACCTAACTAACCTAACAA 279
Qy   61 CAGCAGCTCCCTCCCTATCACATCCCTGGTCACTTCCCTGGAGGGTCCGGTCCGGT 120
Db   278 CAACATAACCATCTCCCTAACTAACCTAACTAACCTAACTAACCTAACCTAACAA 219
Qy   121 AGACGCCCTCCCTCCCTATCACATCCCTGGACCGGGTCCGGAGGTCTCATGGGA 180
Db   218 AAAACCCCTCCCTATCACATCCCTAAACCCGAAAAAAATCCCTAAACTCTCTATAAA 159
Qy   181 ATGCACTGCTACACCCAGGGCATCCATTTCAGGCTCTGGAGGGTCAAGGCTG 240
Db   158 ATATCAACTACACCCAAAACCTCATCTTCAACTCCCTAAACTCAAAACTCAAACTA 99

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RESULT 10  
US-10-311-455 2269

; Sequence 2269, Application US/10311455  
; Publication No. US2003014360A1  
; GENERAL INFORMATION:  
; APPLICANT: OLEK, Alexander  
; APPLICANT: PLEPENROCK, Christian  
; APPLICANT: BERLIN, Kurt  
; TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by  
; FILE REFERENCE: 5013.1014  
; CURRENT APPLICATION NUMBER: US/10/311,455  
; CURRENT FILING DATE: 2002-12-16  
; PRIOR APPLICATION NUMBER: PCT/EP01/07537  
; PRIOR FILING DATE: 2001-07-02  
; PRIOR APPLICATION NUMBER: DE 10032529.7  
; PRIOR FILING DATE: 2000-06-30  
; PRIOR APPLICATION NUMBER: DE 10043826.1  
; PRIOR FILING DATE: 2000-09-01  
; NUMBER OF SEQ ID NOS: 2424  
; SEQ ID NO: 2269  
; LENGTH: 2037  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)  
US-10-311-455-2269

Query Match 6.6%; Score 179 6; DB 12; Length 2037;  
Best Local Similarity 71.5%; Pred. No. 1.4e-38;  
Matches 236; Conservative 0; Mismatches 94; Indels 0; Gaps 0;

Qy 1 TCACTGCGCTGGCAGCCAGCCTGGCCAGCACTGGGAGGCTCCGGCTCGTACAGCA 60  
Db 1700 TTAGTCGTTGGTTAGTTGTTGCTTGTAGTTAGTGGGGAGGTAGTTTATGATA 1759

Qy 61 CAGCAGTGGCCATTTCTGTGATCCGTGGCAGCTGGGGCTGGGTGGGGCTCCCGTG 120  
Db 1760 TAGTAGTGGTTATTTTGGTTATTTGGTGTGGTGTGGTTGGGGCTGGGGCTGG 1819

Qy 121 AGAGCCCCCTCCCTATACATCCCCCTGGACCCGGAGGGTCCCTGGAGGTCTCATGGA 180  
Db 1820 AGAGTTTTTTTTTATATATTTGGATCGGAGGGTTTGGATTTGAGTTTATGGA 1879

Qy 181 ATGTCAGGACTACCCAGGGCCATCATTTTCAGGCTGTTGGCTGGAGGTCAAGCTG 240  
Db 1880 ATGTTAGTTATTTAGGGTTATTTAGGTTATTTAGGTTTGTGGCTGGAGGTAAAGTTG 1939

Qy 241 GCGTCCTGTTGGATGTCGGACCCGGCTGGGGCTGGAGCTTGGAAACGAGATCTGGTGGCTCT 300  
Db 1940 GCGACCGATGGGAGACTGCTTATTTGGGGTTCGATCGGGCGAGTTGGAAACGTTAGTTCTGGTGGTT 1999

Qy 301 GGACCGATGGGAGACTGCTTATTTGGGGTTCGATCGGGCGAGTTGGAAACGTTAGTTCTGGTGGTT 330  
Db 2000 GCGATCGATGGGATATGGTTATTTGGGG 2029

RESULT 11  
US-10-027-632-125683

; Sequence 125683, Application US/10027632  
; Publication No. US20030204075A9  
; GENERAL INFORMATION:  
; APPLICANT: Wang, Fang  
; APPLICANT: Wang, Fang  
; APPLICANT: Wang, Fang

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TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
Polymorphisms in the Human Genome
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/167,353
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 32570
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO: 125683
LENGTH: 739
TYPE: DNA
ORGANISM: Human
US-10-027-632-125683

Query Match      5.5%;  Score 150.4;  DB 12;  Length 739;
Best Local Similarity 96.2%;  Pred. No. 9.7e-31;  Ge
Matches 154;  Conservative 0;  Mismatches 6;  Indels 0;  Ge
Qy   1173 ACCCAGCTGGACTGCTCCCTCCGGATCCACATCTCGCCCTCTGAGCTCCACAC
Db   464 ACCCCACAGGGACTGCTCCCTCGGGATCCACATCTCGCCCTCTGAGCTCCACAC
Qy   1233 CTGACTGGGGAAAGCTGGTCAAGCTGCTGGTCCGGGACGGGGAGCTGGAGAT
Db   524 CTGACTGGGGAAAGCTGGTCAAGCTGCTGGTCCGGGACGGGGAGCTGGAGAT
Qy   1293 AACAGGACATCACTAACGCCTCACTTCCAGGAGATCC 1332
Db   584 AACCGGACATCACTAACGCCTCACTTCCAGGAGATCC 623

RESULT 12
US-10-027-632-125683
Sequence 125683, Application US/10027632
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
Polymorphisms in the Human Genome
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/167,353
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
NUMBER OF SEQ ID NOS: 32570
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO: 125683
LENGTH: 739
TYPE: DNA

```

ORGANISM: Human  
US-10-027-632-125683

Query Match  
Best Local Similar  
Matches 154; Con

Qy	1173	ACCCAG	RESULT 13
Db	464	ACCCCA	US-10-137-870-189
Qy	1233	CTGACT	Sequence 189, Appl
Db	524	CTGACT	Publication No. US
Qy	1293	AACCGG	GENERAL INFORMATION
Db	584	AACCGG	APPLICANT: Baker, J.
			APPLICANT: Beres, D.
			APPLICANT: DeForrest, J.
			APPLICANT: Desnoyer, P.
			APPLICANT: Filova, J.
			APPLICANT: Gao, W.
			APPLICANT: Gerritsen, J.
			APPLICANT: Goddard, J.
			APPLICANT: Godowson, J.
			APPLICANT: Gurney, J.
			APPLICANT: Sherwin, J.
			APPLICANT: Smith, J.
			APPLICANT: Stewart, J.
			APPLICANT: Tumans, J.
			APPLICANT: Watson, J.
			APPLICANT: Wood, J.
			APPLICANT: Zhang, J.
			TITLE OF INVENTION:
			FILE REFERENCE: P
			CURRENT APPLICATION:
			CURRENT FILING DATE:
			PRIOR APPLICATION:
			NUMBER OF SEQ ID N:
			SEQ ID NO: 189
			LENGTH: 2150
			TYPE: DNA
			ORGANISM: Homo S
			US-10-137-870-189

Query Match  
Best Local Similar  
Matches 618; Con

Qy	187	GCTACAC
Db	119	GCTGGAC
Qy	247	TG---T
Db	179	TGGGCTT
Qy	304	CCGATGGC
Db	239	TGGCCCP
Qy	364	TGGATCC

Db	299	AAGATGCTCAGCAAGATTAACCATCTAGAATATGCCATGGAAATAAGCACACACATAA	358	
Qy	424	TGCTTTTCAAGAGGCCCTTGGCACCTGGGACTGGACCCAGAGTACCTCTTGAAGACCGA	483	RESULT 14
Db	359	TTGATTACAGAGGCTGATACATGACATGAAAGATTAACGGATAGCA	418	US-10-140-018-189
Qy	484	CTGCCCCACTGGTGTACGGATCTGGGACTCTGGGACTGGCCATCAAG	543	; Sequence 189, Application US/10140018
Db	419	CTGGAGACTGATGGCTACACATGAGATGGGGAGAGTGTGTCCTAGTCC	478	; GENERAL INFORMATION:
Qy	544	GCTGGGCTGCAGATGGGCTCAGAGGCTGAGCTCTGGAGGCCAATATCCCGAAC	603	; APPICANT: Baker, Kevin P.
Qy	479	--ATGACTCCAACTAGGGCACCAGAGTTGGTTATGATCTGAGAAC--	532	; APPICANT: Beresini, Maureen
Do				; APPICANT: DeForge, Laura
Qy	604	CGGAGTGCCTCAGACGGGACCATGGGGCTCAAGGCTCCAAATATCCAGATCCCCA	663	; APPICANT: Desnoyers, Luc
Db	533	GTGTCATCTACAGCTTACCATACATPTGATCTGGAAATTAGGAGCTCCATCCAA	592	; APPICANT: Filvaroff, Ellen
Qy	664	GCCAGGAGCACCAGTACGGCTCATCATTAAGGAGCTTCCAAAGGGCTTCTCGCAC	723	; APPICANT: Gao, Wei-Qiang
Qy	593	ACAAAGATAACATATTGGTGCACAAATGTTAAAGTTCCTGGTCCAGAAAAGCTC	652	; APPICANT: Gertsen, Mary B.
Db				; APPICANT: Goddard, Audrey
Qy	724	ACATTATAAGTACGGACCCATCTGTCACAGGGCATGGCCCTTGTCAACACATG	783	; APPICANT: Godowski, Paul J.
Db	653	ATGTAATAAAGGTGACCACTGATACAGAGGGCCATGAGACTGTGTCACACATC	712	; APPICANT: Godwin, William
Qy	784	AAGTCTTCAGTGCCCCA--GATGGAACGGCTCCCTCCCCACTCTGGGGCCCTGG	840	; APPICANT: Zhang, Zemin
Db	713	TGCTCPATCAGTGAGAACACTTAACACAGCTTCTGGAGTCCGGCACAGTGT	772	; TITUL OF INVENTION: ACIDS ENCODING THE SAME
Qy	841	ACTCCAAGATGAAACCGACCCGCTCAACTACTGGCCACGTGTGGCTGGGCC	900	; FILE REFERENCE: P3330R1C158
Db	773	ATCACCCCCAACATGCCCGATCATCCTCACCTGTGAAACTGTATTGTGGGTA	832	; CURRENT APPLICATION NUMBER: US/10/140,018
Qy	901	TGGGTGCCAAGCATTAACTACCCAGAGGAAGGGCTTGGGTTCAGGGT	960	; CURRENT FILING DATE: 2002-05-06
Db	833	TGGTGGAGGGCTTCTCTATGTTGGATTATCCCTTCACTCATG	892	; Prior Application removed - See Palm or File Wrapper
Qy	961	CCTCCAGATATCTGCCCTGAAAGTTCAACCCACTCTGTATGAGGACAA	1020	; NUMBER OF SEQ ID NOS: 550
Db	893	ATCCGATATTGTCCTAGAACGCTTACATGAACTTCCACCTTCACTCCATTA	952	; SEQ ID NO: 189
Qy	1021	ACGACTTCCTAGGCATCCGTTGACTACAGGCAAGGGCTTAACGGGGGA	1080	; LENGTH: 2150;
Db	953	TAGATAATTCTGGACTTGAGTTTACAATGGATAATAAGGATAATGTC	1012	; TYPE: DNA
Qy	1081	TCTAGGAGCTGGACTGGTGTACGCTGGGACTTCCACCAAGGGCCCT	1140	; ORGANISM: Homo Sapien
Db	1013	TGATTGAGGTGGCTCTGGCTTCCATACCTTCCTCCAGGATGCCCTGAGT	1072	US-10-140-018-189
Qy	1141	TCTACCTCACTGGCTACTGGCTACGGACAAGTGACCCAGCTGGACTG	1191	
Db	1073	TCCAGTCTGGGTACTGGCTACGGGAGGGCTCTGAAGCCAAAAGC	1132	
Qy	1192	CCTCGGGATCCACATCTGCTCCAGCTCCACACCTGACTGGGAAAGTGG	1251	
Db	1133	CAAATGGAAATTCTGTTGCTCTCCATGCTCACTGGCTGGAGGGATCA	1192	
Qy	1252	TCAAGTCTGGGTACTGGCTACGGGAGGGCTCTGAAGCCAAAAGC	1311	
Db	1193	GGCTCGTCAATTCTGGGTACTGGCTACGGGAGGGCTCTGAAGCCAAAAGC	1252	
Qy	1312	GCCCTCACTTCCGGAGATGGCTGAGGCTGGGACTGGCTACCTGGGAGATG	1371	
Db	1253	ACCTCAATTCTGGGTACTGGCTACGGGAGGGCTCTGAAGCCAAAAGC	1312	
Qy	1372	TGCTCATCACCTCTGGCTACGGTCAACAGGAGACCCGGCTGGCCAC	1431	
Db	1313	ACCTAAATTCTGGGTACTGGCTACGGGAGGGCTCTGAAGCCAAAAGC	1372	
Qy	1412	TGGGATCTGGGAGGAGTGTGCAACTCTGGTCAACTACTACCC	1477	
Db	1373	TAGGCCAGGAGTGAATGGTCTCATACCTCTTATTACCC	1418	



Query Match											
Best Local Similarity 5.4%; Score 146.8; DB 12; Length 2150;											
Best Local Similarity 4.7-3%; Pred. No. 1..2e-29; Mismatches 618; Conservative Matches 667; Indels 21; Gaps 5;											
Db	8333	TTGGTGGAGGGCTTCTTATCCACCTCATGGATTATCCCTGGCACTCCATTAG	892	Qy	961	CCCTCCAGTATCTCCGCTGGAGTCACTACACACCCACTGGTATAGAGGAA	1020	Db	893	ATCGGATTTATGTCGCTCTAGTATACTTCCACTTATGAGGAAAGCTTA	952
Qy	1021	ACGACTCTCAGGATCCGGCTGACTACAGCCAGCTGGCTTCAACGGGGA	1080	Db	953	TAGATAATTCTSGACTGAGGTATTTCACATGATATAAGGAAATGATGGGG	1012	Qy	1081	TGATGGAGCTGGGACTCTGGTGTACTACAGCCAGCTGGGAGACGGCT	1140
Qy	1013	TGATTGGCTGGCTCTGGCTTCTCCATACATCCCTCAAGGATGCTGAGT	1072	Db	954	TGATCCCTACTSGCTACTGGCTACTGACGGGAGCCATTCCACCGGAGCT	1140	Db	1073	TCCAGTCTCTGGGACACTGGCTATTTGGGAGCTGAGTGGAGTGGGG	238
Qy	1141	TGATCCCTACTSGCTACTGACGGGAGCCAGCTGGGAGCTGGCTGAGT	1191	Db	1074	TGATCCCTACGGGGCTTACCTCCAGGATTATTTCACAAATGCAAAATGAGAGT	1132	Qy	1192	TGATCCCTACGGGGATCCACATCTGGCTTCAACACCTGACTGGGAGAAGGTG	1251
Db	1133	CAAGTGGAAATTCTGTTGTTGCTTCCATGGCTGAGGAGCATCA	1192	Db	1134	TGATCCCTACTSGCTACTGACGGGAGCCAGCTGGGAGCTGGCTGAGT	1192	Db	1135	TGATCCCTACTTCAGGAGATCCGATCTGGCTGAGGAGCATCA	1311
Qy	1252	TGATCCCTACTTCAGGAGATCCGATCTGGCTGAGGAGCATCA	1311	Db	1193	TGATCCCTACTTCAGGAGATCCGATCTGGCTGAGGAGCATCA	1311	Db	1255	TGATCCCTACTTCAGGAGATCCGATCTGGCTGAGGAGCATCA	1371
Qy	1312	TGATCCCTACTTCAGGAGATCCGATCTGGCTGAGGAGCATCA	1371	Db	1256	TGATCCCTACTTCAGGAGATCCGATCTGGCTGAGGAGCATCA	1372	Qy	1372	TGATCCCTACTTCAGGAGATCCGATCTGGCTGAGGAGCATCA	1312
Qy	1373	ACTTCATTCAGGAGATCCGATCTGGCTGAGGAGCATCA	1477	Db	1313	ACCTAAATTACTGAGTGTGCTGATCACAGAAAGTAGATGAGT	1418	Db	1314	ACCTAAATTACTGAGTGTGCTGATCACAGAAAGTAGATGAGT	1372
Qy	1432	TGGGATCTGGAGGAGATGTTGTCAACTACTGAGCTACTAGCC	1477	Db	1373	TAAGCACCAGGAGTGAATGTCCTCATACCTTCTTATTACCC	1418	Qy	1433	TGGGATCTGGAGGAGATGTTGTCAACTACTGAGCTACTAGCC	1477
Db	1374	TAAGCACCAGGAGTGAATGTCCTCATACCTTCTTATTACCC	1418	Db	1375	TAAGCACCAGGAGTGAATGTCCTCATACCTTCTTATTACCC	1418	Db	1376	TAAGCACCAGGAGTGAATGTCCTCATACCTTCTTATTACCC	1418
RESULT 16											
US-10-140-274-189											
Sequence 189 Application US/10140274											
Publication No. US20030143674A1											
GENERAL INFORMATION:											
APPLICANT: Baker, Kevin P.											
APPLICANT: Beresini, Maureen											
APPLICANT: DeForge, Laura											
APPLICANT: Desnoyers, Luc											
APPLICANT: Filvaroff, Ellen											
APPLICANT: Gao, Wei-Qiang											
APPLICANT: Gerritsen, Mary E.											
APPLICANT: Goddard, Audrey											
APPLICANT: Gurney, Austin L.											
APPLICANT: Sherwood, Steven											
APPLICANT: Smith, Victoria											
APPLICANT: Stewart, Timothy A.											
APPLICANT: Tumas, Daniel											
APPLICANT: Watcanabe, Colin K											
APPLICANT: Wood, William											
APPLICANT: Zhang, Zemin											
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC											
TITLE OF INVENTION: ACIDS ENCODING THE SAME											
FILE REFERENCE: P3.310R1C161											
CURRENT APPLICATION NUMBER: US/10/140,274											
CURRENT FILING DATE: 2002-05-06											
PRIOR APPLICATION removed - See File Wrapper or Palm											
NUMBER OF SEQ ID NOS: 550											
SEQ ID NO: 189											
LENGTH: 2150											
TYPE: DNA											
ORGANISM: Homo Sapien											
US-10-140-274-189											
Qy	961	CCCTCCAGTATCTCCGCTGGAGTCACTACACACCCACTGGTATAGAGGAA	1020	Db	893	ATCGGATTTATGTCGCTCTAGTATACTTCCACTTATGAGGAAAGCTTA	952	Qy	1081	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	246
Qy	1021	ACGACTCTCAGGATCCGGCTGACTACAGCCAGCTGGCTTCAACGGGGA	1080	Db	953	TAGATAATTCTSGACTGAGGTATTTCACATGATATAAGGAAATGATGGGG	1012	Qy	1082	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	246
Qy	1081	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	1140	Db	1013	TGATTGGCTGGCTCTGGCTTCTCCATACATCCCTCAAGGATGCTGAGT	1072	Qy	1083	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238
Qy	1141	TGATCCCTACTSGCTACTGACGGGAGCCATTCCACCGGAGCTGAGT	1191	Db	1073	TCCAGTCTCTGGGACACTGGCTATTTGGGAGCTGAGTGGGG	238	Qy	1084	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238
Db	1074	TCCAGTCTCTGGGACACTGGCTATTTGGGAGCTGAGTGGGG	238	Db	1075	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238	Db	1076	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238
Qy	1252	TGATCCCTACTTCAGGAGATCCGATCTGGCTGAGGAGCATCA	1311	Db	1077	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238	Qy	1253	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238
Qy	1312	TGATCCCTACTTCAGGAGATCCGATCTGGCTGAGGAGCATCA	1371	Db	1078	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238	Qy	1372	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238
Qy	1373	ACTTCATTCAGGAGATCCGATCTGGCTGAGGAGCATCA	1477	Db	1079	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238	Qy	1432	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238
Qy	1433	ACCTAAATTACTGAGTGTGCTGATCACAGAAAGTAGATGAGT	1418	Db	1080	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238	Qy	1434	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238
Qy	1435	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238	Db	1081	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238	Qy	1436	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238
Qy	1437	TAAGCACCAGGAGTGAATGTCCTCATACCTTCTTATTACCC	1418	Db	1082	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238	Qy	1437	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238
Qy	1438	TAAGCACCAGGAGTGAATGTCCTCATACCTTCTTATTACCC	1418	Db	1083	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238	Qy	1438	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238
Qy	1439	TAAGCACCAGGAGTGAATGTCCTCATACCTTCTTATTACCC	1418	Db	1084	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238	Qy	1439	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238
Qy	1440	TAAGCACCAGGAGTGAATGTCCTCATACCTTCTTATTACCC	1418	Db	1085	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238	Qy	1440	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238
Qy	1441	TAAGCACCAGGAGTGAATGTCCTCATACCTTCTTATTACCC	1418	Db	1086	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238	Qy	1441	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238
Qy	1442	TAAGCACCAGGAGTGAATGTCCTCATACCTTCTTATTACCC	1418	Db	1087	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238	Qy	1442	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238
Qy	1443	TAAGCACCAGGAGTGAATGTCCTCATACCTTCTTATTACCC	1418	Db	1088	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238	Qy	1443	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238
Qy	1444	TAAGCACCAGGAGTGAATGTCCTCATACCTTCTTATTACCC	1418	Db	1089	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238	Qy	1444	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238
Qy	1445	TAAGCACCAGGAGTGAATGTCCTCATACCTTCTTATTACCC	1418	Db	1090	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238	Qy	1445	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238
Qy	1446	TAAGCACCAGGAGTGAATGTCCTCATACCTTCTTATTACCC	1418	Db	1091	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238	Qy	1446	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238
Qy	1447	TAAGCACCAGGAGTGAATGTCCTCATACCTTCTTATTACCC	1418	Db	1092	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238	Qy	1447	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238
Qy	1448	TAAGCACCAGGAGTGAATGTCCTCATACCTTCTTATTACCC	1418	Db	1093	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238	Qy	1448	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238
Qy	1449	TAAGCACCAGGAGTGAATGTCCTCATACCTTCTTATTACCC	1418	Db	1094	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238	Qy	1449	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238
Qy	1450	TAAGCACCAGGAGTGAATGTCCTCATACCTTCTTATTACCC	1418	Db	1095	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238	Qy	1450	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238
Qy	1451	TAAGCACCAGGAGTGAATGTCCTCATACCTTCTTATTACCC	1418	Db	1096	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238	Qy	1451	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238
Qy	1452	TAAGCACCAGGAGTGAATGTCCTCATACCTTCTTATTACCC	1418	Db	1097	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238	Qy	1452	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238
Qy	1453	TAAGCACCAGGAGTGAATGTCCTCATACCTTCTTATTACCC	1418	Db	1098	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238	Qy	1453	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238
Qy	1454	TAAGCACCAGGAGTGAATGTCCTCATACCTTCTTATTACCC	1418	Db	1099	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238	Qy	1454	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238
Qy	1455	TAAGCACCAGGAGTGAATGTCCTCATACCTTCTTATTACCC	1418	Db	1100	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238	Qy	1455	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238
Qy	1456	TAAGCACCAGGAGTGAATGTCCTCATACCTTCTTATTACCC	1418	Db	1101	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238	Qy	1456	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238
Qy	1457	TAAGCACCAGGAGTGAATGTCCTCATACCTTCTTATTACCC	1418	Db	1102	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238	Qy	1457	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238
Qy	1458	TAAGCACCAGGAGTGAATGTCCTCATACCTTCTTATTACCC	1418	Db	1103	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238	Qy	1458	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238
Qy	1459	TAAGCACCAGGAGTGAATGTCCTCATACCTTCTTATTACCC	1418	Db	1104	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238	Qy	1459	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238
Qy	1460	TAAGCACCAGGAGTGAATGTCCTCATACCTTCTTATTACCC	1418	Db	1105	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238	Qy	1460	TGATGGAGCTGGGACTCTGGTGTACTACAGCAAGGGCTCAAGGCTCC	238
Qy	1461	TAAGCACCAGGAGTGAATGTCCTCATACCTTCTTATTACCC	1418	Db	1106	TGATGGAGCTGG					

Qy	1192	CCTCCGGATTCACATCTCGCTCTAGCTCACACACCTGACTGGAGAAAGCTGG 1251	Db	299	AAGATGCTCAGCAAGATTACCATCTAGAAATATGCCATGGAAAATGACACACAAATAA 358
Db	1133	CAAGTGGAAATTCATGTTCTCTGTTCTCTGTCATCTGTCACCTGGTGGAGATCA 1192	Qy	424	TGCTTTCAAGGCCCTTGGCACCTGGGCTACCTCATGAAAGGGCA 483
Qy	1252	TCACAGTGTGTGTCCGGACCGCGGAGTGGAGATCTGAAACCAACTACATA 1311	Db	359	TGAAATTACAGAGAGCTGACATAATGACAGGTATACTGGATAGAGCA 418
Db	1193	GGCTGGTCAATTTCGAAAGGAAGAAATTACTGCTATGATGATGATTGG 1252	Qy	484	CTGTCACCTGGCTACGGATCTGGGATCTGGAGGCCATCAAGC 543
Qy	1312	GCCCTCACTTCAGGAGATCGGATGTTGAGAGTCGTTGCTGGCATTCGGGGATG 1371	Db	419	CTGAGTGTGATCTGGGCTTACACCATGAAATGCGAGAGACTGTTCCAAATGCTAC 478
Db	1253	ACTTCATTTCCAGGGTTCTGATCTCAAAAGGAACAAACTTACAGGAGATA 1312	Qy	544	GCTGGGGCTGAGATGGGCTGCAAGGGCTGAGCTGGCAATATCCGGAAAC 603
Qy	1372	TGCTCATCACTCTCGACGTACAACACGGAGACCGGGCACAGTGGGGGT 1431	Db	479	-- ATGACTCCATAGGGCACCAGAGTTGGGTTATGAACTCTGAGAAAC--TA 532
Db	1313	ACCTAAATTACTGAGTGTGCTACAAACRGAGAATGAGCTGAGATGAGA 1372	Qy	604	CGGAGTTGCCCTGAGCGGGTGCACATGGAGTCACAAGTCCCAATCCGATCCCCA 663
Qy	1432	TGGGGATCTCGAGGGAGATGTGTCAACTACAGTGTGACTACTACCCC 1477	Db	533	GTTGCTATTCAGCCFTACATTAAGGAGCTTCTCGTGTTCAGAAAGGCTTCAGCCACC 723
Db	1373	TAAGCACCAAGTGAATGTGTCTCATACCTCTTATTACCC 1418	Qy	664	GCCAGGAGACCAAGCTGACTGGCTCATTAAGGAGCTTCAAAAGGCTTCTCTCGGACC 592
Db	RESULT 17				
Qy	Sequence 189, Application US/10140471				
	Publication No. US20030138887A1				
	GENERAL INFORMATION:				
	APPLICANT: Baker, Kevin P.				
	APPLICANT: Bersini, Maureen				
	APPLICANT: DeForge, Laura				
	APPLICANT: Desnoyer, Luc				
	APPLICANT: Filvaroff, Ellen				
	APPLICANT: Gao, Wei-Qiang				
	APPLICANT: Gerritsen, Mary E.				
	APPLICANT: Goddard, Audrey				
	APPLICANT: Godowski, Paul J.				
	APPLICANT: Gurney, Austin L.				
	APPLICANT: Sherwood, Steven				
	APPLICANT: Smith, Victoria				
	APPLICANT: Stewart, Timothy A.				
	APPLICANT: Tunas, Daniel				
	APPLICANT: Watanabe, Colin K				
	APPLICANT: Wood, William				
	APPLICANT: Zhang, Zemin				
	TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC				
	TITLE OF INVENTION: ACIDS ENCODING THE SAME				
	FILE REFERENCE: P333R1C163				
	CURRENT APPLICATION NUMBER: US/10/140,471				
	CURRENT FILING DATE: 2004-05-06				
	PRIOR APPLICATION removed - See File Wrapper or Palm				
	NUMBER OF SEQ ID NOS: 550				
	SEQ ID NO: 189				
	LENGTH: 2150				
	TYPE: DNA				
	ORGANISM: Homo Sapien				
	US-10-140-471-189				
Qy	Query Match Score 146.8; DB 12; Length 2150;				
	Best Local Similarity 47.3%; Pred. No. 1.2e-29;				
	Matches 618; Conservative 0; Mismatches 667; Indels 21; Gaps 5;				
Qy	187 GCTACACCCGGAGGCCATCTATTCCAGGCTCCCTGGGGCTCAGGGCTCC 246				
Db	119 GCTGAGGCCAGGGCCAGCCAGATCGCTTCCGCTCCGGTGGCTACCTGGT 178				
Qy	247 TG--TTGGATGTCGGACCTGGCGAGGTTGAGAACGGAGATCTGGTGTCTG 303				
Db	179 TGGGCTTCGGCTCTCGGCCAACGGGGCTTGGCTCCGGCATCGGGGG 238				
Qy	304 CGATGGGACACTGGCCATTCTGGGACCCCTGGAGTGAACAGGGCAGTCC 363				
Db	239 TGGCCACGGGGCCATCTCCGGATTATTACATGGTGTGAGTGAACAGGAA 298				
Qy	364 TGGATCCCCAGGAGGAGGACTTACAGCTGCTGAGGCTACACTGGCACTAC 1477				



APPLICANT: Sherwood, Steven  
 APPLICANT: Smith, Victoria  
 APPLICANT: Stewart, Timothy A.  
 APPLICANT: Tumas, Daniel  
 APPLICANT: Watanaabe, Colin K  
 APPLICANT: Wood, William  
 APPLICANT: Zhang, Zemin  
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 FILE REFERENCE: P3330R1C179  
 CURRENT APPLICATION NUMBER: US10/140,922  
 CURRENT FILING DATE: 2002-05-07  
 PRIOR Application removed - See Palm or File Wrapper  
 NUMBER OF SEQ ID NOS: 550  
 SEQ ID NO 189  
 LENGTH: 2150  
 TYPE: DNA  
 ORGANISM: Homo Sapien  
 US-10-140-922-189

Query Match 5.4%; Score 146.8; DB 12; Length 2150;  
 Best Local Similarity 47.3%; Pred. No. 1.2e-29;  
 Matches 618; Conservative 0; Mismatches 667; Indels 21; Gaps 5;

QY 187 GCTACACCGAGGCCATCAATTTCAGCTCCCTGGGGAGCTCAGGGCTGCTGC 246  
 DB 119 GCTGAGGCCAGGGCAGCTGGCTCAGGCTGACTGAGGCTAG 178  
 QY 247 TG---TTGGATGTCGACCCGCTGGCAGCTTGAGAACAGATCTCTGCTGCGA 303  
 Ddb 179 TGGCTTCGCTTCGCCACCGGGCATGGCTGGCGGG 238  
 QY 304 CCGATGGGGACACTGCTATTTCGGGAGCTGGTACCGAAGGGCAGATCCAC 363  
 DB 239 TGGCCACCGGGCCCTACCTCCAGGATTATTTACAAATGCAATAGAGTTGAAA 298  
 QY 364 TGGATCCAGCAGGACTACAGCTGCTCAGGTGCAAGAGGCCGCTGACC 423  
 Ddb 299 AAGATGTCGAGCAATTACATAGATATGCACTGAAATAGCACACAAATA 358  
 QY 424 TGCCTTTCAAGAGGCCCTTGGCACCTGGGACCCCAAGGATTACCTCATGAAAGCGCA 483  
 Ddb 359 TTGATTACAGAGCTGATCATGTCATAATGACAGATTAACGGATAGCA 418  
 QY 484 CTGTCACCTGGCTACGGGATCTGGAGAGGGCTTCGGTCTGGGGCATCAAG 543  
 Ddb 419 CTGTGAGACTGATCTGGGCTACCCATGAAAGTGCAGGAGACTGCTCCCAGTAC 478  
 QY 544 GCTGGGGCTGAGATGGCTGGAGGGCTGGGAGCTGGTCTGGGG 603  
 Ddb 479 --ATGACTCCATTAGGGCACCAATAGTGGCAAGATGGTTGGGTTATGAAATCTGAAMAC--TA 532  
 QY 604 CGGAGTTGCCCTGAGCGGGCACATGGGAGCTGGCAAGCTCCAAATTCGAGATCCCA 663  
 Ddb 533 GTGGCTACTACAGCCTTACCATACTTGTCTGGTAATCAGGCTCCCATCCAA 592  
 QY 664 GCGGGAGCCACCTACTGGTCTACATTAAGGAGCTTCAGGGCTTCCTGGCAC 723  
 Ddb 593 ACAAAAGATCAACATATGGTGCCTAACATTAAAGATTCCTGGGTTCTGGAT 652  
 QY 724 ACATTTAGTGAAGGCCATCTCAGGGCATTAGGGCAATGGCCCTTCGGCATGG 783  
 Ddb 653 ATGTAATAGGTGAGCAGTGTACAGAGGCTCATGAGTCTGGTCAACATC 712  
 QY 784 AAGTCTTCAGTGGCCCGA---GATGACAGCAGCTCCCACTTCAGGGCCCTGCG 840  
 Ddb 713 TGCCTATAGTGCAGAACAACTTAAAGCAGCAGCTGGACTCCTGGAGTCTGG 772  
 QY 841 ACTCCAAGTGAACCCGCGCTCAAACTAGCCTGGGAGCTGGCTGGGCC 900  
 Ddb 773 ATCACCCCAACATCCCGTGTGATCTCCGACCTGATGTTGCTGGCTA 832

RESULT 20  
 US-10-140-922-189  
 ; Sequence 189, Application US/10140924  
 ; Publication No. US20030134355A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Beresini, Maureen  
 ; APPLICANT: DeForge, Laura  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Filvaroff, Ellen  
 ; APPLICANT: Gao, Wei-Qiang  
 ; APPLICANT: Gerritsen, Mary E.  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Sherwood, Steven  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Stewart, Timothy A.  
 ; APPLICANT: Tumas, Daniel  
 ; APPLICANT: Watanabe, Colin K  
 ; APPLICANT: Wood, William  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3330R1C177  
 ; CURRENT APPLICATION NUMBER: US/10/140,924  
 ; CURRENT FILING DATE: 2002-05-07  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 550  
 ; SEQ ID NO 189  
 ; LENGTH: 2150  
 ; ORGANISM: Homo Sapien  
 ; TYPE: DNA

US-10-140-924-189

Query Match	Score	DB	Length	Start	End	Sequence
Best Local Similarity	5.4%	Score 146.8;	DB 12;	Length 2150;		
Matches 618;	Pred. No 1.2e-29;					
Matches 667;	Mismatches 0;					
Conservative						
Qy						
187	GCTAACCCCCAGGAGGCCAATCCATTTCACCTCCCTGGAGGCTCAAGCTGGCTC	246	Db	1133	CAAGTGGAAATTCATGTGGTGTGTRCTTCACCTGCTACCTGCTGCGGACATCA	1192
119	GCTGAGGCCAGGGGCCAACCAAGATGCCCTTCGGCTTCAAGGTGCACTGAGGTAGC	178	Db	1193	GGCTGGTCATTTCCAAAAGGAGGAATTAATCTTGCTTATGTGATATTTG	1252
247	TG -- TTTGGATTCGACCCCTGGGACTCTGGAGCTTGGAAACGAGATCTGGTGTGCTCTGGA	303	Db	1193	GGCTGGTCATTTCCAAAAGGAGGAATTAATCTTGCTTATGTGATATTTG	1252
179	TGGGCTTCCGCTCTCGGACCCCTGGGCGATGGCTGGTGGCG	238	Db	1253	ACCTGATTTCCAGGAGTTCACTATTAAGGAAACAACTACCTAACAGGAGATA	1312
304	CGGATGGGACACTGCTCTTGGGAGCCCTGGGACTCTGGAGCTTGGAAAGGGGAGATCCAC	363	Qy	1372	TGCTCATACCTCTGGACCTACACACGGAGGCTGGCACAGTGGGGCT	1431
239	TGGGCCACGGGCCCTAACCTTCAGGATATTTCACAAATAGAGTTGAAA	298	Db	1313	ACCTAAATTACTGAGTGTGCTACACACGAAAGTAGAGCTGAGATGACTGGGAGAC	1372
364	TGGATCCCCAGGAGCTTACCAACTGCTGCACTGGAGGAAAGCCCTGACCC	423	Qy	1432	TGGGGATCCCTGGAGGAATGTTGTTCAACTACCTGCACTACTACCC	1477
299	AAGATGCTAACGAGATTACCATCTGATGATGCCATGGAAATAGCACACAZATAA	358	Db	1373	TAAGGACCCAGGAGTGAATGTTCTCATACCTTCTTATTACCC	1418
424	TGCTTTCAAGAGCCCTTGGACCCAGGTTACCTCATGGAGGGCA	483	Db	1373	TAAGGACCCAGGAGTGAATGTTCTCATACCTTCTTATTACCC	1418
359	TGAAATTACCGAGAGCTCATCTGATATAGAAAGTATACGGATAGCA	418	Db	1373	TAAGGACCCAGGAGTGAATGTTCTCATACCTTCTTATTACCC	1418
484	CTGCCAATTGCTGAGGAGCCGCTCCGGTCACTGGGGCCATCAACG	543	Qy	189	Sequence 189, Application US/10140926	
419	CTGTGAGAGGTGATCTGGCTTACCCATGAGATGAGGAAAGCTGGTCCAAAGTAC	478	Db	189	Publication No. US20030134356A1	
544	GCTCGGGCTGGAGATGGGTGCGAGGGGCGAGTCCCTGAAGCCAAATCCCGA	603	Db	189	GENERAL INFORMATION:	
479	--ATGACTCCATATGGGCCAACAAAGGTGTGGGTTATGTAATCTGAGAAAC--	532	Qy	189	Applicant: Baker, Kevin P.	
604	CGGAGTGGCCCTCAAGCGGTGCACTGGAGGTCACATGGAGTCCCA	663	Db	189	Applicant: Beresini, Maureen	
533	GTGTGCTATCPACAGCTTACATACCTTGTCTGGTAACTGAGTCCCA	592	Db	189	Applicant: Desnoyer, Laura	
664	GCCAGGAGACCACGTAATTAAGGAGCTTCCAAAGGGCTTCTCGGCCAC	723	Qy	189	Applicant: Denoyer, Luc	
593	ACAAGATACACATATTGGTGCCTAAATGTTAAATCTGTGTCAGAAAGATC	652	Db	189	Applicant: Filvaroff, Ellen	
724	ACATTATCAAGTACGAGGCCATCGTCACCAAGGGAAATGAGCTCCATCCA	783	Db	189	Applicant: Gao, Wei-Qiang	
653	ATGATAAAGTTGAGCCATGATGAGGAGCCATGAGTCGACCTTC	712	Qy	189	Applicant: Gerritsen, Mary E.	
784	AAGTCTTCAGTGGCCCGA--GATGGACGGTCCACCTTGTGACCACTTC	840	Db	189	Applicant: Goddard, Audrey	
713	TGCTCTATGCTGAGCAAAACCTTAACGACASGTTCTGGAGCT	772	Qy	189	Applicant: Gurney, Austin L.	
841	ACTCCAGATGAAACCCGACGCTTCAACTACTGGCCACGTCCTGGCC	900	Db	189	Applicant: Hurniak, William	
773	ATCACCCCAACATGCCGATGCCATTCTACACTGTGATTTGGGGTA	832	Qy	189	Applicant: Zhang, Zemin	
901	TGGTGGCCAGGGATTTACTACCCAGAGGAAGCCGCTTGTGACCTCCATTAG	960	Db	189	TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC	
833	TTGGTGGAGGGCTTCTTATCACCTCATGTTGATTCTCCATTAG	892	Qy	189	ACIDS ENCODING THE SAME	
961	CCTCCAGATATCTCGCCCTGGAAGTTCACTACCAACCCACTGGTATAAGGAGGAA	1020	Db	189	FILE REFERENCE: P33309187	
893	ATCCGGCATATTGTCCTCTGATGAACTCCATTATGAGAAAGCTTA	952	Qy	189	CURRENT APPLICATION NUMBER:	
			Db	189	CURRENT FILING DATE: 2002-05-07	
			Qy	189	Prior Application removed - See File Wrapper or Palm	
			Db	189	NUMBER OF SEQ ID NOS: 550	
			Qy	189	SEQ ID NO 189	
			Db	189	LENGTH: 2150	
			Qy	189	TYPE: DNA	
			Db	189	ORGANISM: Homo sapien	
			Qy	189	US-10-140-926-189	
			Qy	189	Query Match	
			Db	189	Best Local Similarity	
			Db	189	Score 146.8;	
			Db	189	DB 12;	
			Db	189	Length 2150;	
			Db	189	Mismatches 618;	
			Db	189	Conservative	
			Db	189	47.3%;	
			Db	189	Pred. No. 1.2e-29;	
			Db	189	Mismatches 67;	
			Db	189	Indels 21;	
			Db	189	Gaps 5;	
			Qy	187	GCTACACCCAGGAGGCCATCTTCCAGTCCAGTCTGGCTGGCTC	246
			Db	119	GCTGGAGGCCAGGGCAGCTGGCTCCACCTGGCTGGCTGGCTG	178
			Qy	247	TG -- TTGGATGTCGCTGGCTTCTGGGCTTACCTGGATGCTG	303
			Db	179	TGGGCTTCTGGGCTTCTGGGCTTACCTGGATGCTGCTGGCTG	238
			Qy	304	CGGATGGCCACGGGCCCTACCTGGATTAATGAAATGAAATGAA	363
			Db	239	TGGGCTTCTGGGCTTCTGGGCTTACCTGGATGCTGCTGGCTG	298

Qy	364 TGGATCCAGGAGTACCAAGCTGCTGGAGGGACCCAGAAGGCCCTGACCC 423	Db	1373 TAAGCACCAGGAGTAAATGCTCATACCTTTATTACCC 1418
Db	299 AAGATGCTCAAGATTACATCATGATAATGCTGAAATAGCACACAGATAA 358		
Qy	424 TGTCTTTCAGAGGCCCTTGGCACCTGGAGGTTAACCTCATGAAAGGGCA 483	Db	RESULT 22 US-10-141-698-189
Db	359 TTGAATTACAGAGGCTGATCATGACATAATGCAAGAGTAAACGGATAGCA 418		; Sequence 189, Application US/10141698
Qy	484 CTGTCCACTTGGCTACGGGATCTGGGCTCCAGGCTAACGGCCATCAAAG 543	Db	; Publication No. US20030134357A1
Qy	419 CTGTGAGAGTGATCTGGCTTACCCATGAGATGCGGAACTCTGGTCCCAAGTAC 478		; GENERAL INFORMATION:
Db	544 GCTCGGGCTCTCAGATGGGTGAGGGTCACTGGAGGCCAATATCCCGAAC 603		; APPLICANT: Baker, Kevin P.
Qy	479 ---ATGACTCCAAATAGGGACCAAGAATGGTTGTTGAATCTGAGAAA- -TA 532	Db	; APPLICANT: Bersini, Maureen
Db	604 CGGAGTTGCCCTCAGAGCGGTGACCATGGGTCCAGATCCAGATCCCCA 663		; APPLICANT: DeForge, Laura
Qy	533 GTGTGCTATCTACAGCCTTACCATCTTGTCTGTTAATCAGGACGTCCCCATCCCA 592	Db	; APPLICANT: Desnoyers, Luc
Qy	664 GCGAGGAGACCAAGCTACTGGTCACTTAAAGGGCTTAAAGGGCTTCTCTGGCAC 723		; APPLICANT: Filivroff, Eileen
Db	593 ACAAAGATAGAACATATTGGGCCAAATGTTTAAGATTCTGTGTTCCAGAACGATC 652		; APPLICANT: Gao, Wei-Qiang
Qy	724 ACATPATCAAGTACGAGCCCATCTGTCACTGGAGGCAATGGGCCCTTGTCCACCATGG 783	Db	; APPLICANT: Gerritsen, Mary E.
Db	653 ATGTAATAAAGTTGAGCAGTGTAGAACAGAGGCAATGGAGTCTGGTCAACCATCC 712		; APPLICANT: Goddard, Audrey
Qy	784 AAGTCTTCAGTGGCCCGA- -GATGACAGGGTCCCACCTGAGGGCCCTGG 840	Db	; APPLICANT: Godowski, Paul J.
Db	713 TGCTCTPATACTGACCAACAACTTAAACGACAGCTTCTGGAGTCTGGCT 772		; APPLICANT: Gurney, Austin L.
Qy	841 ACTCCAGATGAAACCGACGGCTCACTACTGCGCACGTGGCTCACT 900	Db	; APPLICANT: Sherwood, Steven
Db	773 ATCACCCCAACATGCCGATGATCCTCACCTGTGAAACTCTGGCT 832		; APPLICANT: Smith, Victoria
Qy	901 TGGGTGCCAAGGCAATTACCCAGAGGAAGGGCCTTGCCTGGTCAAGGGT 960	Db	; APPLICANT: Stewart, Timothy A.
Db	833 TTGGTGGAGGAGGGTTCTTATCACCTCATGTTGATATCCCTGGACTCCATTG 892		; APPLICANT: Tumans, Daniel
Qy	961 CCTCCAGATATCTGGCTGGAAAGTTCACATACCAACCCACTGGTATGAAAGGAGGA 1020	Db	; APPLICANT: Watanabe, Colin K.
Db	893 ATCCCGATTATGTCGCTCATGAAAGTCCATTGATAATGGAAGGCTTAA 952		; APPLICANT: Wood, William
Qy	1021 AGGACTCTCATGGCATCGTTGACTAACAGGCAAGCTGGCTTAAACCGGGAA 1080	Db	
Db	953 TAGATAATTCTGGACTGGTTATTTACAATGGATAATAGATCTGGG 1012		
Qy	1081 TCATGGAGCTGGACTGGTACAGCCACTGATGGCCATTCCACCAAGGGAGCCCT 1140	Db	
Db	1013 TGATGGAGCTGGCTCTGGCTTCCATACCATCCTCAGGGATGCTGACT 1072		
Qy	1141 TCATCTCATGGCTACTGGGACAACTGGCACCCAGGACTGGCACTG- - - - -CCTC 1191	Db	
Db	1073 TCCAGTCTGGGGTCACTGCACTTGGATGCTGGCTCGAAGGGCTCTGGAGGCCAAAGC 1132		
Qy	1192 CCTCGGGATCCATCTGGCTTCACTGCACTTGGCTTCACTGGGAGGGT 1251	Db	
Db	1133 CAACTGGGATTCATGTTGCTGTTCTCTCCATGGTCAACAACTCATGAGGCTCA 1192		
Qy	1252 TCACAGTGGCTGGTGGGGAGATCTGAAACCCAGACAATCACTACAA 1311	Db	
Db	1193 GGTCCTGTCATTGCAATTGAAAGGGAAATGAAATTACTGCTATGATGATTTG 1252		
Qy	1312 GCCCTCACTTCAGGAGATCTGGCATGTTGAAAGGTGCTGTCGGAGATG 1371	Db	
Db	1253 ACTTAATTCTCCAGGTTCACTGCACTTGGCTTCACTGGCTGGGGT 1312		
Qy	1372 TGCTCATCACTCTGGCACTTACACAGGAGATCTGAAAGTAGAGTGGGAGGAC 1372	Db	
Db	1313 ACCTTAATTACTGAGTGTGTCACACAGAAAGTAGAGTGGCTGAGCTGGGAGGAC 1372		
Qy	14332 TCGGGATCCCTGGAGGAGATGTGTGTCACACTGTCACACTACCC 1477	Db	
Qy	1373 TAAGCACCAGGAGTAAATGCTCATACCTTTATTACCC 1418	Db	
Qy	484 CTGTCACATTGGCTACGGGATCTGGGAGGGCTCGGTACTGGGAGGCCATCAAGC 543	Db	
Db	419 CTGAGAGTGTGATCTGGCTTACCACTGAGAATGCTGGCTCCAGATG 478		
Qy	544 GCTGGGGCTGCACTGGGAGATGGGGCTGCAAGGGCTGCACTGGCTCTGAACCTATCCCGAAC 603	Db	
Qy	479 ---ATGACTCCAAATGGGGCACCAGAGTTGCGGTTATGAACTCTGAGAAAAC--TA 532	Db	
Qy	604 CGGAGTTGCCCTCAGACGGGTGACCATGGGTCACAGCTCCAAATATCCAGATCCCCA 663	Db	

533 GTGTGCTATCTACGCCCTACCATACATTGATCTGGTAATCAGGACGTCCCATCCAA 592  
 Qy 664 GCCAGGAGACCAAGTGTGTTGTTACATTAAGGAGCTTCCAAAGGGCTTCCTCGGCC 723  
 Db 593 ACAAGATACACATATGGTCCCAATAGTTAAAGTCTGGTCAAGAAAGCTC 652  
 Qy 724 ACATTAAGTCAAGTACAGGCCATCGTACCAAGGGCAATGAGGCCCTTGTGACCAAGG 783  
 Db 653 ATGTAATAAGGTTGACCCAGTGTGATACAGAGGGCCATGAGTGTGGTCAACATCC 712  
 Qy 784 AACTCTTCAGTGCGCCCGA - - - GATGGACAGGTCGCCCACTTCAGGGCCCTCG 840  
 Db 713 TGCCTCATCAGTGAGAACACTTTAACACAGGTTCTGGATCAGGCTCCAGAGTCT 772  
 Qy 841 ACTCCAAAGTAAACCCGACGCCCTAACATACAGGCCAACGCTGCTGGCCGCTGGCCC 900  
 Db 773 ATCACCCAAACATGCCATCGTCACTTCACCATCTACCTGTGAAACTGTGATTTTGCTGGCTA 832  
 Qy 901 TGGGTGCAAGGCAATTACTACCCAGGAAAGCAGGGCTTCAGGTCAGGGTCAAGGAA 1020  
 Db 833 TTGGTGGAGGGCTTTCTTACCATCTACATGGATTATCCTCTGCACTCCATTAG 892  
 Qy 961 CCTCCAGATACTCCGCTCGGAAGTCACTACCAACCACTTACCTGGTATAGAAGGACCAA 1020  
 Db 893 ATCCGCAATTGCTCTAGAAGTCATATGATAATCCCACTTATGAGGAGGCTTAA 952  
 Qy 1021 ACGACTCTCTAGGCACTCCGGCTTGACTACAGCCAACTGCGGCTTCACGGGGA 1080  
 Db 953 TAGATAATTCTGGACTGAGCTTATTACATGGATAATAATGATGCTGGG 1012  
 Qy 1081 TCATGGAGCTGGAACTGGCTGTAACGGCACTGGGATTCAACAGGGAGACGGCT 1140  
 Db 1013 TGAATGGGGCTCTGGCTTCAGGCTTCCATACATCCCTCCAGGATGCTGAT 1072  
 Qy 1141 TCACTCCTACTGGTACTGCACTGGACAGAGTGCCTGGACTGCTGCTGCTGCTG 1191  
 Db 1073 TCCAGTCTAGGGTCACTGCACCTGGGATTGGCACTTGGGAAAGTC 1112  
 Qy 1192 CCTCGGGATCCACATCTCGCTCACTGACTGGGAAAGGGTGG 1251  
 Db 1133 CAAGTGGAAATTCTGTGTTCTCAGTCACTGGGCTGGAGGCCATCA 1192  
 Qy 1252 TCACTCACTTCCAGGAGATCCGCACTGGGAAAGGGTCACTGGGAAAGGAGCT 1311  
 Db 1193 GGCTGGCTATTTCGAAAGGAAGAAATTACTGCTGATGATGATTTTG 1252  
 Qy 1312 GCCCTCACTTCCAGGAGATCCGCACTGGGAAAGGGTCACTGGGAAAGGAGCT 1371  
 Db 1253 ACTCAATTCTCAGGAGATTCAGTAAAGGAAACAAACATCTTACCGGAGATA 1312  
 Qy 1372 TGCTCATCACTCTGCACTGACGTTACAAACGGGAGACGGGAGCTGGCTGCCA 1431  
 Db 1313 ACCTAAATTACTGAGTGTGCACTGACGAAAGTAGTGGAGATGACTGGGAGAC 1372  
 Qy 1432 TCGGATCTGGAGGATGTTGTTCAACTGAGTCACTTACCTAC 1477  
 Db 1373 TAAGCACCAAGGAGTAATGTTGTCATACCTCTTATTACCC 1418

RESULT 23  
 US-10-141-702-189  
 Sequence 189, Application US/10141702  
 Publication No. US2003013458A1  
 GENERAL INFORMATION:  
 APPLICANT: Baker, Kevin P.  
 APPLICANT: Beresini, Maureen  
 APPLICANT: DesForge, Laura  
 APPLICANT: Desnoyers, Luc  
 APPLICANT: Filvaroff, Ellen  
 APPLICANT: Gao, Wei-Qiang  
 APPLICANT: Gerritsen, Mary E.  
 APPLICANT: Goddard, Audrey  
 APPLICANT: Godowski, Paul J.  
 APPLICANT: Hwang, Zenin  
 APPLICANT: Tumas, Daniel  
 APPLICANT: Wood, William  
 APPLICANT: Watanahe, Colin K.  
 APPLICANT: Stewart, Timothy A.  
 APPLICANT: Smith, Victoria  
 APPLICANT: Sherwood, Steven  
 APPLICANT: Gurney, Austin L.

APPLICANT: SECRET AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME  
 FILE REFERENCE: P3330RIC208  
 CURRENT APPLICATION NUMBER: US/10/141,702  
 CURRENT FILING DATE: 2002-05-08  
 Prior Application removed - See Palm or File Wrapper  
 NUMBER OF SEQ ID NOS: 550  
 SEQ ID NO: 189  
 LENGTH: 2150  
 TYPE: DNA  
 ORGANISM: Homo Sapien  
 US-10-141-702-189

Query Match 5.4% Score 146.8; DB 12; Length 2150;  
 Best Local Similarity 47.3%; Prod. No. 1.2e-29;  
 Matches 618; Conservative 0; Mismatches 667; Indels 21; Gaps 5;

Qy 187 GCTACACCCAGGGCCATCCATTCCAGCCTCTGGTGGGAGGCTCAAGGCTGGTCC 246  
 Db 119 GCTGAGGCAAGGGGAGCCATGCTCCAGATCACCTTCGAGGGTACCG 178  
 Qy 247 TG -- -TTTGGGATGTTGGACCTGCGACCTGGGAGCTTGAGAACGAGATCTGTTGCTGGTGGAA 303  
 Db 179 TGGCTTGGGTTCTGGCTTCAGGCTCCATGGCTCCAGATCACCTTCGAGGGGGGG 238  
 Qy 304 CCGATGGGACACTGCCATTGGGAGCGCTGGTGGTACCTGGAGGGAGATGAC 363  
 Db 239 TGCCCCAGGGGGCTTACCTCCAGGATTTACATGCAATAGAGTTGAA 298  
 Qy 364 TGGATCCAGAGGATACCAAGCTGCTGAGGGTCAAGAGGACCCAGGGCTGACCC 423  
 Db 299 AAGATGCTCAGAAATTACCATCTGAAATAGCAGTGGAAAATAGCACACACATAA 358  
 Qy 424 TGCTTTCAGGGCCCTTGGCACCTGGGATTCCTGAGGCTTACCTGATGGAGGGCA 483  
 Db 359 TTGAATTACCAAGAGGCTGATAATGTCACATAAATGAGGTTAACGGATAGGAA 418  
 Qy 484 CTGTCACCTTGTTGCTGAGGCTACCTCTGGGAGCTGGTCTGGGCTGGGCTGGGATCAAGG 543  
 Db 419 CTGTTGGAGTGTATCTGGCTTACCAAGATGGAGGCTGGGCTGGGCTGGGCTGGG 478  
 Qy 544 GCTCGGGCTGGAGGGCTGCAAGGGCTGGAGGGCTGGCTCTGAGGCCAATATCCCGAAC 603  
 Db 479 -- -ATGACTCCAATAGGGGACCAAGAGTGGTTGGGTATTGAAATCTGAGTAAAC -- TA 532  
 Qy 604 CGGAGTGTGCCCTACAGGGGACCATGAGGGCTGGGCTGGGCTGGGCTGGG 663  
 Db 533 GTGTGCTATCTACAGCTTACCATACTTGTGTTAATCAGGAGCTCCCA 592  
 Qy 664 GCCAGGAGCAAGGCACTGGTGTACATTAAGGAGCTTCCAAAGGGCTTCTCTGGGACCC 723  
 Db 593 ACAGAGATAACATTTGTTGCGAAAGTTAAGTTCAGGAGATA 652  
 Qy 724 ACATTTCAAGTACAGTACAGGACCCATGTCACCAAGGGCAATGAGGCCCTTGTCACCAATGG 783  
 Db 653 ATGTAATAAGGTTGAGCACTGCGGATGAGTGTGGTCAACAGACATCC 712  
 Qy 784 AAGTCTCCAGTGGCCCGA -- -GATGGACAGGCTCCCACTTGAAGGGCTGGC 840  
 Db 713 TGCTCTATAGTGGAGCAACAATTTCAGACGCTGGCTGGCTGGCTGGCTGG 772  
 Qy 841 ACTCCAAAGTAAACCCGACGCCATGTCACCAAGGGCAATGAGGCCCTTGTCACCAATGG 783  
 Db 773 ATCACCCGAACTGCGGATGAGTGTGGTCAAGAGGGCCCTGGAGTGTGGTCAACAGTGC 712

901 TGGGTGCCAAGCATTAACTACCCAGAGGAAGGCCCTGGGTCAGGGT 960  
 833 TTGGTGAAGGGCTTCTATCCACCTCATGTTGATATCCCTGGACTATTAG 892  
 Db 893 ATCCGATTTATGTCCTAGAAGTCATTGATATCCCACCTATGAGGAAGCTTAA 952  
 Qy 961 CCTCCAGATATCTCCGCCTGGAAAGTCACTACCAACCCACTGGTGTAGAAAGGAGAA 1020  
 Db 1021 AGGACTTCCTAGGCATTCGGCTGTACTACAGCCAGCTAACGGGGTA 1080  
 Qy 953 TAGATAATTCTGGACTGAGGTATTITACAAATGGATAAATATGATGTCGGG 1012  
 Qy 1081 TCATGGAGCTGGACTGGTGTACACCCAGTGTACGGCAATCCACCGGAGACGGCT 1140  
 Db 1013 TGATTGGCTGGCTCTGGCTTCAGCTTCAACATCCCTCAGGGATGCTGAGT 1072  
 Qy 1141 TCATCCTCACTGGTACTGGCAGGACAAGGTGTCAGGGCTGGCACTG- - - - - CTC 1191  
 Db 1073 TCCAGTCTGAGGTCTACTGGTACTGGTACTGGTACTGGTACCTGGAAAGGGC 1132  
 Qy 1192 CCTCCGGATCACATCTCCCTCTCAACACACTGACTGGAGAAAGGTGG 1251  
 Db 1133 CAAGTGAATTCTATGTTGCTGTCCTCATGCTCACCTGGCTGGAGGCACTCA 1192  
 Qy 1252 TCACAGTGTCTGGCTGGAGCTGGGGAGATCTGTAACACTACA 1311  
 Db 1193 GGCTGGCTCATTTGAAAGGGAGAAATGTAATTACTGGCTATGTAIGATTG 1252  
 Qy 1312 GCCCTCACTTCAGGAGATCGGATCTGGTGAAGAAGTGTGTCGTCGGGAGATG 1371  
 Db 1253 ACTTCATTTCCAGGTTCTAGTATCTAACAGAACAAACATCTTACCAAGGAGATA 1312  
 Qy 1372 TGCTCATCACCTCCCTGACGTAACACAGGGAGCTGGCTGGCAAGTGGGGGT 1431  
 Db 1313 ACCTTAATTACTGAGCTGGCTACACAGAAAGTAGAGTGAATGACTGGAC 1372  
 Qy 1432 TCGGGATCTGGAGGAGATGTGTCAACTACGGTCACTACTACCC 1477  
 Db 1373 TAAGCACCAGGAGTAAGTGTCTCATACCTTCTTATTACCC 1418

## RESULT 24

US -10-141-704-189

Sequence 189, Application US/10141704

Publication No. US2003013459A1

## GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.

APPLICANT: Berezini, Maureen

APPLICANT: DeForge, Laura

APPLICANT: Desnoyers, Luc

APPLICANT: Filvaroff, Ellen

APPLICANT: Gao, Wei-Qiang

APPLICANT: Gerritsen, Mary E.

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Gurney, Austin L.

APPLICANT: Sherwood, Steven

APPLICANT: Smith, Victoria

APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel

APPLICANT: Watanabe, Colin K

APPLICANT: Wood, William

APPLICANT: Zhang, Zemin

## TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEOTIDES

## TITLE OF INVENTION: ACIDS ENCODING THE SAME

FILE REFERENCE: P33301C209

CURRENT FILING DATE: 2002-05-08

Prior Application removed - See Palm or File Wrapper

SEQ ID NO: 169

LENGTH: 2150

TYPE: DNA

; ORGANISM: Homo sapien  
 US -10-141-704-189  
 Query Match 5 4%; Score 146 8; DB 12; Length 2150;  
 Best Local Similarity 47.3%; Pred. No. 1.2e-29;  
 Matches 618; Conservative 0; Mismatches 667; Indels 21; Gaps 5;  
 Matches 618;  
 Qy 187 GCTACACCCGGAGGCCATCCATTCAGCTCCCTGGAGGTCAAGGCTGCGCTCC 246  
 Db 119 GCTGGAGGCCAGGGCTCCGGCTTCCGGCTCAGTGGCAGCTGGCTACGGCTACG 178  
 Qy 247 TG---TTTGGATGTCGGAGGTGGTGGAGATTCGTTGGCTGGG 303  
 Db 179 TGGGTTGGCTTCTGGCCACCGGGCATGGCTCCGGCAACTCGTGGCGGGGG 238  
 Qy 304 CGGATGGGACACATCCCTATTGGGACCCCTGGAGTGGCAGAGGGCTGACCC 363  
 Db 239 TGGCCACGGGGCTACCTCCGGGATTATTAATGAAATAGAGGTTGAAA 298  
 Qy 364 TGGATCCCGAGGAACTACCGCTGTCAGGGTCAAGGACCCAGAAGGGCTGACCC 423  
 Db 299 AAGATGCTCAGCAAGATTACCATCTAGAAATATGCCATGAAAATAGCACAACAAATAA 358  
 Qy 424 TGCCTTTCAAGAGGGCCCTGGACACTGGGACCCCCAGGATTACCCATTGAAAGGGCA 483  
 Db 359 TTGAAATTACCAAGAGGCTGCAATACATGTCACATTAATGCAAGAGTATAACGGTATGCA 418  
 Qy 484 CTGRCACATGGCTACGGGATCTGGGCTACAGGGCTGGAGGCGCTTCCGGTCACTGGAGGCCATCAAGC 543  
 Db 419 CTGAGTGGATCTGGCTACCACTGAGTGGCTCAAGATGAGATGTCAGAGCTGGTCCAGATGAC 478  
 Qy 544 GCTGGGGCTGCAAGTGGGGCTGCAAGTGGAGGGTGCAGCTCTGAAGCCCATATTCGGCAAC 603  
 Db 479 --ATGACTCCAATGGGCAACCAAGAGTTGGCTTATGAAATCTGTGAAAAC--TA 532  
 Qy 604 CGGAGCTGGCTCAAGACGGCTGACACATGGGGTCAAGTCCCAATTCGAGTCCCA 663  
 Db 533 GTGCTCATCTACAGCCTTACAGCCTTACCACTACTTGTATCTGTAAATCAGGACGTCCCATCCAA 592  
 Qy 664 GCCAGGAGGACCACTGACTGGTCAATTAGGGCTTCCAAAGGGCTTCTCTGGCACC 723  
 Db 593 ACAAGATAACATATTGGTCAATTTAGATTCTGTGTTCAGAAAGGATC 652  
 Qy 724 ACATPATCAAGTAGAGGCCATCTCACAAAGGCAATGAGGCCCTTGTGTCACCCATGG 783  
 Db 653 ATGTTATAAGGGTTGGCCAGTGTATACAGAGGCCATGAGGTGTCACCATCC 712  
 Qy 784 AAGTGTCCAGTGGCCCGA --GATGAGCAGGCTCCACTTCACGGGCTGTG 840  
 Db 713 TGCTCTATCATGTGCAACACTTAAGGACGGTTCTGGAGTGGCTGAGTGTCTGG 772  
 Qy 841 ACTCCAGATGTAACCCGCTGCTGGCTCAACTCCGGCCTCAACTCCGGCTGGCC 900  
 Db 773 ATCACCCACATCCGGATGATCTACCTGAAACTGTATTTGGCTGGCTA 832  
 Qy 901 TGGGTGCCAGGCATTTCAGTACAGCCAGGAGGGCTTGGCTTCAGGGTCAAGGG 960  
 Db 833 TTGGTGGAGAGGGCTTCTTATCCACCTCATGTTGGATTATCCCTGGCAGCTTCTGG 892  
 Qy 961 CCTCCAGATATCTGGCTGGGAAGTTCATACCAACCCACTGGTATAGAAGGAGCA 1020  
 Db 893 ATCCGGATATTGGCTCCTCTAGAAGTCCATTATGATAATCCACTATGAGGAAGGCTAA 952  
 Qy 1021 ACGACTCCCTCAGGCTGGACTGGTGTACAGGCCAGTGTGCAATTCCACGGGAGTCGCGCT 1100  
 Db 953 TAGATAATTCTGGACTGAGGTATTACAAATGATAATGCAATGATAAAT 1012  
 Qy 1081 TCATGGAGCTGGACTGGCTTCCTCCACGGGAGTCGCGCT 1140  
 Db 1013 TGATTGGAGGGCTGGCTCTGGTGAAGGGCTTCCCATACCATCCCTCAGGGATGCTGACT 1072  
 Qy 1141 TCATCTCACTGGTACTGGTACGGCAAGTGCACCTGGACTG-----CCCT 1191

Db	1073	TCCAGTCGCTGAGGGTCACTGCACTTGGAGGGCTCTGGAAAGGGCTCTGGAAAGAAAGC	1132
Qy	1192	CCTCGGGATCCACATCTCGCTCTCGCTCCACACCTGAGCTGGAGAAAGTGG	1251
Db	1133	CAAGTGGAAATTCTATGTTCTCGTCTCTCGCTCCACCTGGCTGGAGGCGATCA	1192
Qy	1252	TCACTGCTGCTGGTCGGAGCGGGAGTGGAGATGTGAACTGACATCA	1311
Db	1193	GGCTGCCTAATTTCGAAAGGGAAAGGAAATGAAATTACTGGCTATGATGATTGG	1252
Qy	1312	GCCCTCACTCCAGGATCCCGATGTTGAAAGAGGTGCTGGGATG	1371
Db	1253	ACTTCATTCCAGGATTCAGTATTAAGAAGAACAACTTACAGGAGATA	1312
Qy	1372	TGCTCATCACCTCTGCACTGAAACAGTAAACACGGAGACCGGGAGTGGGGCT	1431
Db	1313	ACCTAAATTACTSAGTGTGCTAACACGAAAGATAAGCTGAGATGACTTCGGAGAC	1372
Qy	1432	TGGGATCTGGAGGATGTGTCACTAGTGTGCACTACTACCC	1477
Db	1373	TAAGCACCAGGTGAATGTCTCTCATACCTTCCTTATTACCC	1418
Qy	664	GCCAGGAGACCAGTACTGGCTCATTAAGGGCTTCCAAGGGTTCTGGGAC	723
Db	593	ACAGAGATAACATTTGGCCAAATGTTAAGTTGTTCCAGAAAGGATC	652
Qy	724	ACATTATCAACTAGAGGCCATCTGTCACCAAGGGCATGGCCCTTGTCCACCATGG	783
Db	653	ATGTAATAAACGTTGGCCAGTGCACATCC	712
Qy	784	AGTCTCCACTGGCCCGCAATGAGCCTCCCGATGAGAGTCGGCC	840
Db	713	TGCTCTATCACTGACAAACATTTAACGACGGCTTCAGGTCGGCCACGAGTGT	772
Qy	841	ACTCCPAGATGAAACCGACGCCCTAACATGCGCCACGTGCGCCCTGGCCCC	900
Db	773	ATCACCCCCACATGCCGATCATCTCACCTGAAACTCTGATGTTTCGCTGGCTA	832
Qy	901	TGGGTCCAAGGCATTACTACCCAGGAGCCCTTGCCCTGGGGTCCGGGT	960
Db	833	TTGGTGGAGGGCTTCTTATCACCTCATGTTGATTATCCCTGGACTCCATTAG	892
Qy	961	CCTCCAGATATCTGGCTGGAAAGTTCATACCCAAACCATGAGAGGGAA	1020
Db	893	ATCCGATTATGGCTCTTGAAGTCATTGATACTGAGAAAGCTTAA	952
Qy	1021	ACGACTCTCAAGCATCGCTTGACTTACAGGCAAGTGGCCCTAACGGGGAA	1080
Db	953	TAGATAATTCTGGACTGAGTTATTACAAATGGAAATATGATGTTGGGG	1012
Qy	1081	TCATGGAGCTGGTACCGCCACTGCGCTTCAACGGGGCTTACGGGGAA	1140
Db	1013	TGATGAGGTGGCTCTGGTGAACCTCATCCATGGATGCTGAGT	1072
Qy	1141	TCATCCCTCACTGGCTACTGACGGAAAGTGAAGGGAAATGGGGGG	1191
Db	1073	TCCAGCTGAGGGTCACTGACTTTGAGTGGCTGGAAAGGTGG	1132
Qy	1192	CCTCGGGATCCACATCTCGCTCTCGTCCACACCTGACTGGGAGATCTGAACTTACA	1311
Db	1133	CAAGTGGAAATTCTATGTTCTCGTCTCTCGCTCCACCTGGCTGGGGCT	1192
Qy	187	GCTACACCGGGGGCCATCTCCAGCTCTGGCTCCAGGGCTCAAGGCTGGCTCC	246
Db	119	GCTGAGGCGGGCGAGTCAGTGCCTCTGGCTCCAGGCTACGGCTACG	178
Qy	247	TG---TTGGATGCTCCAGCTGGCTGGCTGAGCTGGCTGGCTGG	303
Db	179	TGGCTTCGCTCTCGCCACCCGGGCTGGGTGGCTCCAGGCTGGGG	238
Qy	304	CCGTGGGAAACTGCTTATTTGGAGCCCTGGAGTACCAAGGGGCAATCC	363
Db	239	TGGCCCATGGGCCACCTGGGCTTACCTGGGATTTTCAAGGAGGCTTCA	266
Qy	364	TGGATCCCGAGGACTTACAGCTGGCTGGAGGACCCAGAAGGGCTGACCC	423
Db	299	AAGATGCTCAGAATTACCATCTAGATAATGCAACACACATAAA	358
Qy	424	TGTTTCAAGGGCCCTTGGACTCTGGACCCCAGGATCTTACCTGAGACGCCA	483
Db	359	TGAAATTACCGAGGCTGATACATGTGATAATAATGCAAGATA	418
Qy	484	CTGTCACTTGGCTACGGGATCTGGGTTACGTGAGGCCATCACG	543
Db	419	CTGTGAGTGAATGCTGGCTTACCACTGAGATGAGGAGACGGCTGG	478
Qy	544	GCTCGGCCTGAGATGGGGTCAAGGGTCACTGAGCTCTGAGCCA	603
Db	479	--ATGACTCCATAGGGCAACCAAGGTTGGTTATGATCTGAGAAAC	532
Qy	604	CGGAGTGTCCCTCAGGGAGTCCAAATCCAGATCCCCA	663
Db	533	GTGTGCTATCTACAGCTTACCATACCTTGTCTGTAAATCAGGAGT	592
Qy	664	GCAGGAGACCAGTACTGGCTCATTAAGGGCTTCCAAGGGTTCTGGGAC	723
Db	593	ACAGAGATAACATTTGGCCAAATGTTAAGTTGTTCCAGAAAGGATC	652
Qy	724	ACATTATCAACTAGAGGCCATCTGTCACCAAGGGCATGGCCCTTGTCCACCATGG	783
Db	653	ATGTAATAAACGTTGGCCAGTGCACATCC	712
Qy	784	AGTCTCCACTGGCCCGCAATGAGCCTCCCGATGAGAGTCGGCC	840
Db	713	TGCTCTATCACTGACAAACATTTAACGACGGCTTCAGGTCGGCCACGAGTGT	772
Qy	841	ACTCCPAGATGAAACCGACGCCCTAACATGCGCCACGTGCGCCCTGGCCCC	900
Db	773	ATCACCCCCACATGCCGATCATCTCACCTGAAACTCTGATGTTTCGCTGGCTA	832
Qy	901	TGGGTCCAAGGCATTACTACCCAGGAGCCCTTGCCCTGGGGTCCGGGT	960
Db	833	TTGGTGGAGGGCTTCTTATCACCTCATGTTGATTATCCCTGGACTCCATTAG	892
Qy	961	CCTCCAGATATCTGGCTGGAAAGTTCATACCCAAACCATGAGAGGGAA	1020
Db	893	ATCCGATTATGGCTCTTGAAGTCATTGATACTGAGAAAGCTTAA	952
Qy	1021	ACGACTCTCAAGCATCGCTTGACTTACAGGCAAGTGGCCCTAACGGGGAA	1080
Db	953	TAGATAATTCTGGACTGAGTTATTACAAATGGAAATATGATGTTGGGG	1012
Qy	1081	TCATGGAGCTGGTACCGCCACTGCGCTTCAACGGGGCTTACGGGGAA	1140
Db	1013	TGATGAGGTGGCTCTGGTGAACCTCATCCATGGATGCTGAGT	1072
Qy	1141	TCATCCCTCACTGGCTACTGACGGAAAGTGAAGGGAAATGGGGGG	1191
Db	1073	TCCAGCTGAGGGTCACTGACTTTGAGTGGCTGGAAAGGTGG	1132
Qy	1192	CCTCGGGATCCACATCTCGCTCTCGTCCACACCTGACTGGGAGATCTGAACTTACA	1311
Db	1133	CAAGTGGAAATTCTATGTTCTCGTCTCTGGCTTCAAGGAGGCT	1192
Qy	1252	TCACAGTGTGGTCCAGCTCATCTGGCTCCAGGCTGGGAGATCTGAACTTACA	1311
Db	1193	GGCTGCGTCATTTCGAAAGGGAAATGAAATTACTTGGCTTATGTGATGTTTG	1252
Qy	1312	GCCTCACTCCAGGAAAGTCACTGCTGGCTTCAAGGAGGCT	1371
Db	1253	ACTTCATTCCAGGAGTTCACTGCTGGCTTCAAGGAGGCT	1312
Qy	1372	TGCTCATCACCTCTGGCTTCAAGGAGGCT	1431
Db	1313	ACCTAAATTACTGAGTGTGGCTAACAGATAAGGATGCTGGAGGAC	1372

Qy	1432	TGGGATCCTGGGGAGATGTGTCAAATAGTGCACACTACTACCC	1477	533	GTGCTATCACAGCCTTACCATACATGTAATCAGGACGTCCTCCATCCAA	592
Db	1373	TAAGACCGAGGAAATGTGTCTCATACCTCTTATTACCC	1418	664	GCCAGGAGACCACTACTSGTGTCAATTAAGGAGCTTCAAAGGCTCTCTCGGACC	723
	RESULT 26			593	ACARAGATAACATATTGGTGCCTAACATTTAGATTCTGTGTCAAGAAAGCATC	652
	US-10-142-432-189			724	ACATTATCAGTAGAGGCCATCTCACAAAGGCAATGAGGCCCTTGACCATGG	783
	Sequence 189, Application US/10142432			653	ATGPTAATAAGGTGAGCGAGCTGGAGGCACTAGAGTGTGGTGCACCATCC	712
	Publication No. US20030134361A1			784	AAGTCTTCCAGTGGCCCCGA --GATGGACAGGTCCCCACTCTAGGGGCTGCG	840
	APPLICANT: Baker, Kevin P.			713	TGCTTATCAGTGAGCACAAACTTAAAGACAGTTCGAGCTGAGTGTGCT	772
	APPLICANT: Bersini, Maureen			841	ACTCCAGTGTGAAACCCGACGCGCTCAACTACGCGCCAGTGGCTGGGCC	900
	APPLICANT: DeGeorge, Laura			773	ATCACCCBACATCCCGATGATGATTCCTACCTTGACTGCTGGCTA	832
	APPLICANT: Desnoyers, Luc			901	TGGTGCCTAGGCATTTACTACCGAGGAAGGGCTTGCTTCGGGGTCAAGGGT	960
	APPLICANT: Filvaroff, Ellen			833	TTGGTGGAGGGTTCTTATCACCTCATGTTGGATTATCCTTGACTCATTAG	892
	APPLICANT: Gao, Wei-Qiang			961	CCTCCAGATATCCTGGCTGGAAACTCTACCAACCCACTGGTGTAGAAAGCAGRA	1020
	APPLICANT: Gerritsen, Mary E.			893	ATCCGCTTATGTCCTAGACTCCATTATGATAATCCACTATATGAGAACGTTAA	952
	APPLICANT: Goddard, Audrey			1021	ACGACTCCCTCAGGATTCGGCTTACACTACAGGAACTGGGTCACCGGAGGAA	1080
	APPLICANT: Godowski, Paul J.			953	TAGATAATTCTGGACTGAGTTATTACATGATAAATPATGATCTGGGG	1012
	APPLICANT: Gurney, Austin L.			1081	TCATGGAGCTGGACTGTGTGACAGCCAGTGTGACCTTCACACGGAGACGCC	1140
	APPLICANT: Sherwood, Steven			1013	TGATTGAGCTGGCTCTGGGTGAGCCCTTCATACCATCCCTCAGGGATGCTGAGT	1072
	APPLICANT: Smith, Victoria			961	TCATCCTACTGGTACTGACCCAGTGCACCAACTGGCAGCTGCTGCTG	1191
	APPLICANT: Stewart, Timothy A.			1141	TCATCCTACTGGTACTGACCCAGTGCACCAACTGGCAGCTGCTGCTG	1191
	APPLICANT: Tumas, Daniel			1073	TCCAGTCTGAGGGTCACTGACTTGGTCACTGGAGGCTGCTGAGAGGTCTGAA	1132
	APPLICANT: Watanabe, Colin K			1192	CCCTCGGATTCACATCTCGCTCTCGACACACCTGACTGGAGAAAGCTGG	1231
	APPLICANT: Wood, William			1133	CAAGTGGATTCTGTTGCTCTCTCAGGCTACCTGCTGGCAGGCTACATCA	1192
	APPLICANT: Zhang, Zemin			1252	TCACTGCTGCTGGCTCTGGACCGGGGGTGGAGATCTGCTATGATGATCTAC	1311
	TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLBIC			1193	GGCTGCTGATTTGAAAGGGAGGATCTGGTGAATGAAATTACTGCTTATGATGATCTAC	1252
	FILE REFERENCE: P330R1C15			1312	GCCTTACCTCCAGGAGTCCGATGTTGAAGAGTCTGGCTCATCGGGAGAT	1371
	CURRENT APPLICATION NUMBER: US/10/142,432			1253	ACTCCTATTCCAGGAGTTCTGATCTTACATCTACATCTACATCTAC	1312
	CURRENT FILING DATE: 2002-05-09			1372	TGCTCATACCTCTGGAGCTGGCTGAGTGTGCTCCAGTGGGGT	1431
	Prior Application removed - See File Wrapper or Palm			1313	ACCTAAATTACTGAGTGTGCTCATACATCTACATCTACATCTAC	1372
	NUMBER OF SEQ ID NOS: 550			1432	TCGGATCTGGAGGACTCTGACTCTGCTCAACTACSTGCACTACTACC	1477
	SEQ ID NO 189			1373	TAGCCACCAAGGAGTGAATGAGGAAATGAGGAAATGAGGAAATGAGG	1418
	LENGTH: 2150					
	TYPE: DNA					
	ORGANISM: Homo Sapien					
	US-10-142-432-189					
Qy	187	GCTACACCCAGGAGCCATCCATTCCACCTCTGGCTCAAGGCTGGCTC	246	Qy	187	Score 146.8; DB 12; Length 2150;
Db	119	GCTGGAGCCAGGGGGAGCCAGATGCCCTCCAGGTGGCTGAGCTGAG	178	Db	119	Best Local Similarity 47.3%; Pred. No 1.2e-29;
Qy	247	TG--TTGGATTCGACCCGTCGAGCTTGAGAACCCAGATCTGGCTCTCGA	303	Db	119	Matches 618; Conservative 0; Mismatches 667; Indels 21; Gaps 5;
Db	179	TGGCTTCGCTTCGACCCGAGCTTCCAGGAGCTTCCGGGCACTGGGG	238	Qy	247	Current Application removed - See File Wrapper or Palm
Qy	304	CCGTATGGGACACTGGCTTATGGGAGCTGGAGTACCGAGATCCAC	363	Db	119	SEQ ID NO 189
Db	239	TGGGCCACCGGGCCCTTACCTCCAGGATTATTTACAAATGCAATGAGACT	298	Qy	247	LENGTH: 2150
Qy	364	TGGATCCCCAGGAGCTTACCGTGTCTAGGTGAGGCCAGAGGCTGAC	423	Db	179	TYPE: DNA
Db	299	AAGATGCTGAGCAAGATTTACCATAGATAATGCCATGGAAATACACAAATA	358	Qy	304	ORGANISM: Homo Sapien
Qy	424	TGGTTTCAGAGGAGCTTGGACCTGGCCATGGACCCCCAAGGATTACCTCATGAA	483	Db	359	US-10-142-432-189
Db	359	TGGAATTACAGAGGCTGACATATGACATAATGCAAGAAGATAACGATAGCA	418	Qy	484	Sequence 189, Application US/10142767
Qy	484	CTGTCCACTTGGCTACGGCATCTGGAGAGCGTTCCGGTCACTGGGGCCATCAAC	543	Db	419	; Publication No. US20030134362A1
Db	419	CTGTGAGACTGATGGCTTACCCATGAAGATGCAAGGAGCTGCTCCAAAGTAC	478	Qy	484	; GENERAL INFORMATION:
Qy	544	GCTGGGGCTGAGATGGGCTGAGGGTCACTGAGCTCTGAGCTGAAATCCGAAAC	603	Db	479	; APPLICANT: Baker, Kevin P.
Db	479	--ATGACTCCATAGGGCACCAAGAGTGTGGTTATGAACTCTGAGTGTG	532	Qy	544	; APPLICANT: Bersini, Maureen
Qy	604	CGGAGTGGCTCAGACGGTGCACCATGAGGTGAGCTGAGGCTCCAAATPCCAGATCCCCA	663	Db	479	; APPLICANT: DeGeorge, Laura
						; APPLICANT: Desnoyers, Luc
						; APPLICANT: Filvaroff, Ellen
						; APPLICANT: Gao, Wei-Qiang
						; APPLICANT: Gerrittsen, Mary E.
						; APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.  
 APPLICANT: Gurney, Austin L.  
 APPLICANT: Sherwood, Steven  
 APPLICANT: Smith, Victoria  
 APPLICANT: Stewart, Timothy A.  
 APPLICANT: Tumas, Daniel  
 APPLICANT: Watanabe, Colin K.  
 APPLICANT: Wood, William  
 APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME  
 FILE REFERENCE: P33.3081C241

CURRENT APPLICATION NUMBER: US/10/142,767

CURRENT FILING DATE: 2002-05-10

Prior Application removed - See Palm or File Wrapper

SEQ ID NO: 189

LENGTH: 2150

TYPE: DNA

ORGANISM: Homo Sapien

US-10-142-767-189

Query Match 5.4%; Score 146.8; DB 12; Length 2150;  
 Best Local Similarity 47.3%; Pred. No. 1.2e-29;  
 Matches 618; Conservative 0; Mismatches 667; Indels 21; Gaps 5;

Qy 187 GCTACACCCAGGAGGCCATTCATTCCAGGCTCCTGGGGCTCAAGGGCTGGCCTC 246  
 Db 119 GCTGGAGCCAGGGGGAGCCAGATGCCCTCCGGCTCAGGGAGCTGGCTACG 178  
 Qy 247 TG---TTGGGATGTCGACCGCTGGGAGCTTGTGAAACCGAGATCTCGTCTCGA 303  
 Db 179 TGGGTTTGGCTCTGGCCACCGGGGCATCTGGTGGCG 238  
 Qy 304 CCGATGGGACACTGCTTATTGGGGAGCCCTGGACCTGGCAAGGGCGATCCAC 363  
 Db 239 TGGGCCACGGGGCCCTACCTCCAGGATTATTACAAATGCAAAATGAGAGTTGAAA 298  
 Qy 364 TGGATCCCCAGCAGGACTTCAAGCTGGCTCAGGTGCAAGGGCGTGAACCC 423  
 Db 299 AAGATGCTCAGCAAGATTCACATCTAGAAATGCAACACACATAA 358

Qy 424 TGCCTTCAAGAGGCCCTTGGCACCTGGCCAAAGGATTACCTCATGAAAGACGGA 483  
 Db 359 TTGAATTACCAAGAGCTGCATAGTGCATAATGCAAGAGTAAAGTAYGA 418

Qy 484 CTGTCACTTGGTCTACGGCATCTGGAGGCGTTCCGGTCACTGGAGGGCATCAACG 543  
 Db 419 CTG TGAGAGTGATCTGGGCTACCCATGAAGAGTCCAAAGTAC 478

Qy 544 GCTGGGGCTCGAGATGGGGCTCGAGGGTCACTGGGCTCATCCCGAAC 603  
 Db 479 ---ATGACTTCAATAGGSCACAAAGACTTGGGTTATGAACTCTGAGAAAAC---TA 532

Qy 604 CGGAGTTGGCTCTAGACGGTGCACCATGGAGTCCAGTCCAAATCCAGATCCC 663  
 Db 533 GTG TGCTATCTACGCCCTAACATACCTTGATCTGGPAAATAGGAGCTCCCATCCAA 592

Qy 664 GCCAGGAGCACTGGTGTACATTAAAGGCTTCAAAGGGCTTCTCGGCCAC 723  
 Db 593 ACAAAAGATCACAAATATGGCCAAATGTTAAAGATTCTGTGTCAAAAAANGCATC 652

Qy 724 ACATTATCAAGTACGAGGCCATCGTCACCAAGGGCAATGAGGCCCTTGTCCACATGG 783  
 Db 653 ATGTAATAGGTGAGCAGTGTACAGAGGGCATGAGTCTGGTACCATCC 712

Qy 784 AAGCTTCTCAGTGCCTCGCCCGA---GATGGAGACGGCTCCACACTCAGGGCCCTGCG 840  
 Db 713 TGCTCTATGTCAGTCAGAACACTTAAAGACAGCTGCTGGGCAAGGTGT 772

Qy 841 ACTCCAGATGAAACCCGACCGCCTCAACTTGCGCAAGTGTGCGCCCTGGGCC 900  
 Db 773 ATCACCCCAACATGCCGATGCAATTCTCACCTGTGAAACTGTGATTTGGCT 832

RESULT 28  
 US-10-143-033-189  
 ; Sequence 189, Application US/10143033  
 ; Publication No. US20030134363A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Beresini, Maureen  
 ; APPLICANT: DeForge, Laura  
 ; APPLICANT: Desnoyer, Luc  
 ; APPLICANT: Filvaroff, Ellen  
 ; APPLICANT: Gao, Wei-Qiang  
 ; APPLICANT: Gerritsen, Mary E.  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Sherwood, Steven  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Stewart, Timothy A.  
 ; APPLICANT: Tumas, Daniel  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME  
 ; FILE REFERENCE: P33.3081C246  
 ; CURRENT APPLICATION NUMBER: US/10/143,033  
 ; CURRENT FILING DATE: 2002-05-10  
 ; Prior Application removed - See File Wrapper or Palm  
 ; SEQ ID NO: 189  
 ; LENGTH: 2150

; TYPE: DNA  
; ORGANISM: Homo Sapien  
; US-10-141-033-189

Query Match 5.4%; Score 146.8; DB 12; Length 2150;  
 Best Local Similarity 47.3%; Pred. No. 1.2e-29;  
 Matches 618; Conservative 0; Mismatches 667; Indels 21; Gaps 5;

Qy 187 GCTAACCCAGGAGCCATCCATTCCAGTCCTCTGGTCAAGGCTGGCTC 246  
 Db 119 GCTGGAGCCAGGGGGAGCAAGATGCGCATGCGAGCTAG 178  
 Qy 247 TG---TTGGGATGTCGACCGTGGCGAGCTTGTGAAACCGAATCTCGTGGCTCAG 177  
 Db 179 TGGCTTCGCTTCGCCAACCGGGCATGGCTCCGCAATGCGCTGGCG 238  
 Qy 304 CGATGGGAACTGCTATTGGGACCCCTGGTACCCAGGCAAGTCACCC 363  
 Db 239 TGGCCACGGGGCCCTAACCTCCGGATTATTAAATGCAAAATAGAGTTGAA 298  
 Qy 364 TGGATCCCAGGAGACTAACAGTGTGAGGTCAAGGGACCCAGAAGGCTGACCC 423  
 Db 299 AAGATGGCTGGAAAGATTACATCTGAAATATGGCATGAAATACACAAATA 358  
 Qy 424 TGCCTTCAAGAGGGATTACCTCATGAAAGACGCCA 483  
 Db 359 TGAATTACAGAGCTACATGACATAATGAAAGATAACAGATAAGCA 418  
 Qy 484 CTGTCACACTGGTCTACGGATCTGGAGCCCTGGTCACTGGGCCATCAAGC 543  
 Db 419 CTGTCAGASTGATCTGGGCTTACCACTGAAAGATGCAAGGAGCTGGTCCAGTAC 478  
 Qy 544 GTCGGGCTCTGAGATGGGCTGAGGGTGTGAGGGTCAAGCTCCGAAAC 603  
 Db 479 ---ATGACTCCAATGGGACCAAGAGTTGCGTTATGAAATCTGTGAAAC---TA 532  
 Qy 604 CGGACTGGCTCACAGGGTGCACCATGGGTCCAAGCTCCAAATTCAGATCCCCA 663  
 Db 533 GTGTCATCTACGCCATACCAACTGTAATCAGACGCCATCCAA 592  
 Qy 664 GCCAGGAGACCTGACTGGTGTACATTAAGGAGCTTCAAGGGCTCTCGGCAC 723  
 Db 593 ACAAAAGATAACAAATGGCCAAATTTAAGATTCCTGTTCAAGAAAAGCATC 652  
 Qy 724 ACATTACAGTAGGCCATCTCACAAAGGGCAATAGGGCTTGTCAACATG 783  
 Db 653 ATGTTAAGGTTGAGCCAGTGTACAGAGGAGCCATAGAGTCTGGTCA 712  
 Qy 784 AAGCTTCCAGTGTGCCCGA---GATGGACAGCTGCCCAACTTCAAGGGCAATAGGGCTTGTGCAACATC 840  
 Db 713 TGTCTATAGTGTGACAAACATTAAAGACACGGTGTGGACTCCGCCAAGTGT 772  
 Qy 841 ACTCCAAGATGAAACCGGACCCCTCAATACTGCGCCACGCTGGGCCCTGGGCC 900  
 Db 773 ATCACCCCAACATCCCGATGCACTCCCTGAAACTGTGATTTGCTGGCTA 832  
 Qy 901 TGGTGCAAGGCAATTACTACCCAGAGGAAGGGCTTGTGCACTCCAGGT 960  
 Db 833 TTGGTGGAGGGCTTCTTATACCTCTATGTGGTATATCCCTGACTCCATAG 892  
 Qy 961 CCTCCAGATACTCCGCTGGAAGTCACTACCAACCAACTGTGTGATAGGGACCA 1020  
 Db 893 ATCCGATATGTCGACAACTTAAAGACACGGTGTGGACTCCACTATGAGGAGGTAA 952  
 Qy 1021 AGGACTCCCTAGGGATCCSCTGTACTACAGCCAAAGCTGGCCCTGGGGGA 1080  
 Db 953 TAGATAATTCTGGACTGAGGTATTAACTGATGATTAAGCAAATGATGCTGGGG 1012  
 Qy 1081 TATGGAGGTGGACTGGCTCTGGTGTGCTCCAGGATGCTGGATGCGCT 1140  
 Db 1013 TGTAGTGGACTGGCTCTGGCTCTGGTGTGCTCTCCAGGATGCTGGATG 1072  
 Qy 1141 TCATCCCTACTGGTACTCAGGGACAACGTGACCCAGGGACTG-----CCTC 1191

Db 1073 TCCAGTCCTGAGGACTGACTTGGCTGAGGCTGGCTGGAAAGGGCTGGAAAG 1132  
 Qy 1192 CCTCCGGATCCACTCTGGCCTCTGGCTCACTCCACACACTGCTGGAGAAGTGG 1251  
 Db 1133 CAAGTGGAAATTCACTGTTGCTGTTCTCCATGCTGCTGGAGGCTCA 1192  
 Qy 1252 TCACAGTGTGGCTGGAGGAGGGCCGGAGTGGAGATGTGAATCTGCTATG 1252  
 Db 1193 GGCTCGTCAATTTCAGGAGATCGGATGGTCACTGGGAGATGTGAATCTGCTATG 1252  
 Qy 1312 GCCCTCACTTCAGGAGATCGGATGGTCACTGGGAGATGTGAATCTGCTATG 1371  
 Db 1253 ACTTCATTTCAGGAGTTCACTAACAACTTACAGGAGATA 1312  
 Qy 1372 TGGGATCTGGAGGAGTGGTCACTGGGAGGAGCTGGCCACAGTGGGGGGT 1431  
 Db 1313 ACCTAAATTACTGAGTGTCTGCTACACACAAAGATAAGCTGAGTGA 1372  
 Qy 1432 TCGGATCTGGAGGAGTGTGTCACTAGGCACTACTACCC 1477  
 Db 1373 TAAGCACCAGGAGTGAATGTTGTCATACCTCTTATTACCC 1418

RESULT 29  
 US-10-14-994-189  
 ; Sequence 189, Application US/10144994  
 ; Publication No. US20030134364A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Beresini, Maureen  
 ; APPLICANT: DeForge, Laura  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Filvaroff, Ellen  
 ; APPLICANT: Gao, Wei-Qiang  
 ; APPLICANT: Gerritsen, Mary E.  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Sherwood, Steven  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Stewart, Timothy A.  
 ; APPLICANT: Tumas, Daniel  
 ; APPLICANT: Watanabe, Colin K  
 ; APPLICANT: Wood, William  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLBIC  
 ; FILE REFERENCE: P3310R1C257  
 ; CURRENT APPLICATION NUMBER: US/10/144,994  
 ; CURRENT FILING DATE: 2002-05-13  
 ; PRIORITY APPLICATION NUMBER: 60/049911  
 ; PRIORITY FILING DATE: 1997-06-18  
 ; PRIORITY APPLICATION NUMBER: 60/056974  
 ; PRIORITY FILING DATE: 1997-08-26  
 ; PRIORITY APPLICATION NUMBER: 60/059113  
 ; PRIORITY FILING DATE: 1997-09-17  
 ; PRIORITY APPLICATION NUMBER: 60/059115  
 ; PRIORITY FILING DATE: 1997-09-17  
 ; PRIORITY APPLICATION NUMBER: 60/059117  
 ; PRIORITY FILING DATE: 1997-09-17  
 ; PRIORITY APPLICATION NUMBER: 60/059122  
 ; PRIORITY FILING DATE: 1997-09-17  
 ; PRIORITY APPLICATION NUMBER: 60/059184  
 ; PRIORITY FILING DATE: 1997-09-17  
 ; PRIORITY APPLICATION NUMBER: 60/059263  
 ; PRIORITY FILING DATE: 1997-09-18  
 ; PRIORITY APPLICATION NUMBER: 60/059352  
 ; PRIORITY FILING DATE: 1997-09-19  
 ; PRIORITY APPLICATION NUMBER: 60/059588  
 ; PRIORITY FILING DATE: 1997-09-19  
 ; PRIORITY APPLICATION NUMBER: 60/059836  
 ; PRIORITY FILING DATE: 1997-09-24

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; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/062285
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; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/062814
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/062816
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063045
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063082
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; PRIOR APPLICATION NUMBER: 60/063127
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063327
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; PRIOR APPLICATION NUMBER: 60/063350
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; PRIOR APPLICATION NUMBER: 60/0633561
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; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064248
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; PRIOR APPLICATION NUMBER: 60/073612
; PRIOR FILING DATE: 1998-02-04
; PRIOR APPLICATION NUMBER: 60/074086
; PRIOR FILING DATE: 1998-02-09
; PRIOR APPLICATION NUMBER: 60/074092
; PRIOR FILING DATE: 1998-02-09
; PRIOR APPLICATION NUMBER: 60/077791
; PRIOR FILING DATE: 1998-03-12
; PRIOR APPLICATION NUMBER: 60/078910
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; PRIOR APPLICATION NUMBER: 60/079394
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079653
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090445
; PRIOR APPLICATION NUMBER: 60/090538
; PRIOR FILING DATE: 1998-06-24

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179	TGGCTTGGTTGGCTTCGGCACCGGGGATGGGGCATGGCTGGGGGG 238	Qy	1372	TGCTCATCACCTCTGGAGTCAACACGGAAACCCGGAGCTGGCACAGTGGGGGT 1431	
304	CCGATGGGACACTGGCTTATTTGGGCGCTGAGCTGGAGATCCAC 363	Db	1313	ACCTAAATTACTGAGTGTGCTAACACGGAAATAGAGGTGAAA 1372	
239	TGCCCAACGGCCCTACCTCGGGTATTATTTAACATGGAAATAGAGGTGAAA 298				
364	TGATTCGGACAGGACTACACCTGCTGAGGTGAGAGGACCCAGGCTGACCC 423	Qy	1432	TGGGATTCCTGGGGAGATGTGCTCAACTACCTGGCTACTAATGACCC 1477	
299	AAGATGCTCAGAAGATTACATCTGAATATGCCATGAAATAGACACACATAA 358	Db	1373	TAAGCCAGGAGTGAATGTCATACCTCTTATTACCC 1418	
424	TGGTTTCAGAGGCCCTTGGACCTCGGACCCAGGATACCTCTGAGAAGCGCA 483		RESULT 31		
359	TGAATTACAGAGCTGATACATGTGATAATGAAAGATAAGGATGCA 418		US-10-145-631-189		
484	CTGTCACCTGGCTACGGGATCTGGAGGCCGTTCCGGTCACTGGGCCATCACG 543		Sequence 189, Application US/10145631		
419	CTGTGAGAGTGAATCTGGCCATTACCACTGAGATGAGGAGAAGCTGAC 478		Publication No. US20030138891A1		
544	GTCGGCCCTGAGATGGGGCTGAGGGGGCAAGGCTCTGAGGCCAATATCCGGAAC 603		GENERAL INFORMATION:		
479	--ATGACTCCATAGGGCACCAAGAGTTTGGTTATTGATCTGAGAAAC--TA 532		APPLICANT: Baker, Kevin P.		
604	CGGAGTGGCTCTAGGGTCAACATGGAGTCCAGATCCAGATCCCCA 663		APPLICANT: Beresini, Maureen		
533	CTGTGCTATCACGGCTTACACATCTGATGGCTTCAATATCCAGATCCCCA 592		APPLICANT: DeFore, Laura		
664	GCGAGGACCAAGCTACTGGTCTACATTAAGGACCTTCTCTGGCAC 723		APPLICANT: Desnoyers, Luc		
593	ACAAAGATAACACATAATGGCCAATGTTAAGTCTGTCAAAAGAAAGCATC 652		APPLICANT: Filvaroff, Ellen		
724	TCATTTCAAGTACGAGCCCTATGTCACCAAGGGCAATGAGGCCCTGTCAACCACATGG 783		APPLICANT: Gao, Wei-Qiang		
653	ATGTATAAAGGGTGGCCAGTGATACAGAAGGGCATGAGTCTGGACCATCC 712		APPLICANT: Gerritsen, Mary E.		
784	AGTCTTCAGTGGCCCGA - -GATGGCAGCCTCCCACTTCAGGGCCCTGTG 840		APPLICANT: Goddard, Audrey		
713	TGCTCTATCATGAGCAACACTTAACGACGCTTCAGTGGAGCTGGTCTGGT 772		APPLICANT: Godowski, Paul J.		
841	ACTCTCAGATAAAACCGACGCCCTAACACTTGCGCCAACTGTGGCCCTGGCC 900		APPLICANT: Gurney, Austin L.		
773	ATCACCCCAAGATGCCGATCATTCACCTGTGAAACTGTGATTTGGCTTA 832		APPLICANT: Gurney, Austin L.		
901	TGGGTCGCAAGGGCACTTACATCCGGCTGGGGTCCAGGGT 960		APPLICANT: Hurniak, Steven		
833	TGGGTCGAGGGCTTCTATCCACCTCTGGATATCCCTGGACTCATTAG 892		APPLICANT: Smith, Victoria		
961	CCTCCAGATATCTGGCTGGAAAGTTCATACCAACCACTGGTATAAGGGACGA 1020		APPLICANT: Stewart, Timothy A.		
893	ATCCGGATTATGTCCTGAGTCATTATGATAATCCACTTGGAGGCTTAA 952		APPLICANT: Tumas, Daniel		
1021	ACGACTCTCGGGCATCCGGTCTGGTACTACAGGCAAGGGCTTCACCGGGGA 1080		APPLICANT: Watahira, Colin K.		
953	TAGATAATTCTGGCTGAGTATTATGATAATAGGAAATATGATCTGGGG 1012		APPLICANT: Wood, William		
1081	TCACTGGAGCTGGAGCTGGTGTACGGCACTGAGGGCAAGCGCT 1140		APPLICANT: Zhang, Zemin		
1013	TGATGAGGGTGGCTCTGGCTTCCATCCATACCTCTCCAGGGATGCTGAGT 1072		TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC		
1141	TCACTCTCACTGGTACTACGAGCAAGGTGACCCAGETGGCACTG - - - - -CCTC 1191		ACIDS ENCODING THE SAME		
1073	TCCAGTCTGGGCTACTGCACTTGGAGTGGCTGGAGGCTTGGAGGCTTA 832		CURRENT APPLICATION NUMBER: P333081C273		
1192	CCTCGGGATCACATCTGGCTGGAGTGGCTGGAGCTGGGGAGAAAGGGC 1132		CURRENT FILING DATE: 2002-05-14		
1193	GCTGGTGGTCAATGGAAAGGGAGGAAATGAGATTACTTGGCTGGAGGAA 1251		Prior Application removed - See File Wrapper or Palm		
1312	GCCTCTCACTTCAGGAGTCGGCTGAGTGGCTGGAGCTGGCTGGAGATG 1371		NUMBER OF SEQ ID NOS: 550		
1252	TACAGTGGTCACTGCACTGCACTGCACTGCACTGCACTGCACTGCA 1311		SEQ ID NO: 189		
1193	GGCTGGTGGTCAATGGAAAGGGAGGAAATGAGATTACTTGGCTGGAGGAA 1252		LENGTH: 2150		
1312	GCCCTCACTTCAGGAGTCGGCTGAGTGGCTGGAGCTGGCTGGAGATG 1371		TYPE: DNA		
1253	ACCTCAATTTCAGGAGTTCACTPAAAGGGAGAACAAATCTACAGGAGATA 1312		ORGANISM: Homo Sapien		
1193	CTGTGGAGGTGATCTGGCTTACCCGCTTACCTGAGTGGCTGGAGGCTA 418		US-10-145-631-189		
1312	CTGTGGAGGTGATCTGGCTTACCCGCTTACCTGAGTGGCTGGAGGCTA 418		Query Match 5.4%; Score 146.8%; DB 12; Length 2150;		
1253	CTGTGGAGGTGATCTGGCTTACCCGCTTACCTGAGTGGCTGGAGGCTA 418		Best Local Similarity 47.3%; Pred. No. 1.2e-29; Mismatches 667; Indels 21; Gaps 5;		
1193	CTGTGGAGGTGATCTGGCTTACCCGCTTACCTGAGTGGCTGGAGGCTA 418		Matches 618; Conservative 0; Mismatches 667; Indels 21; Gaps 5;		
1312	CTGTGGAGGTGATCTGGCTTACCCGCTTACCTGAGTGGCTGGAGGCTA 418		Qy 187 GCTACACCCGGAGCCATCATTCCAGTCCCTGGGAGGTCAAGGCTGGCTCC 246		
1193	CTGTGGAGGTGATCTGGCTTACCCGCTTACCTGAGTGGCTGGAGGCTA 418		Db 119 GCTGGAGGCCGGGGGGAGCTGGCTCCCTCCGGCTTCCGGCTGGGAGCTGGCTACG 178		
1312	CTGTGGAGGTGATCTGGCTTACCCGCTTACCTGAGTGGCTGGAGGCTA 418		Qy 247 TG--TTTGGGATGTTCCAGGCTGGGAGCTCCCTATTTGGGAGCTGGCTCTGGTCTGGGG 303		
1193	CTGTGGAGGTGATCTGGCTTACCCGCTTACCTGAGTGGCTGGAGGCTA 418		Db 179 TGGGCTTTCGGCTTCTGGCCACCGGGCATGGGCTCGGGCACTCGTGTGGGG 238		
1312	CTGTGGAGGTGATCTGGCTTACCCGCTTACCTGAGTGGCTGGAGGCTA 418		Qy 304 CGGATGGGACACTGCTCCATTTCGGGAGCTGGTACCAAGGAGCAGATCCACC 363		
1193	CTGTGGAGGTGATCTGGCTTACCCGCTTACCTGAGTGGCTGGAGGCTA 418		Db 239 TGGCCACGGGGCCCTACCTCAGGATTATTCAGAAATAAGGTGAAGAA 298		
1312	CTGTGGAGGTGATCTGGCTTACCCGCTTACCTGAGTGGCTGGAGGCTA 418		Qy 364 TGGATCCCCAGCAGGACTACCGCTGGCAGGGACCCAGAAGGGCTGACCC 423		
1193	CTGTGGAGGTGATCTGGCTTACCCGCTTACCTGAGTGGCTGGAGGCTA 418		Db 359 TTGAGTTACCAAGGAGCTGGCATACATGTCAGATAATGACAAAGTAA 358		
1312	CTGTGGAGGTGATCTGGCTTACCCGCTTACCTGAGTGGCTGGAGGCTA 418		Qy 484 CTGTCACCTGGGCTTACCCGCTTACCTGAGTGGAGGAGCTGGTCCAGTACG 543		
1253	CTGTGGAGGTGATCTGGCTTACCCGCTTACCTGAGTGGCTGGAGGCTA 418		Db 419 CTGAGGAGTGAATCTGGCTTACCCGCTTACCTGAGTGGAGGAGCTGGTCCAGTACG 478		

Qy 544 GCTCGGGCTCGAGATGGGGCTGAGAGGGCTGAGCTCTGAAGGCCAATATCCCAGAC 603  
 Db 479 ---ATGACTCCAAATGGGAGCAAGAGTTCGTTGCTGTTAATGAAATCTGAAAC---TA 532  
 Qy 604 CGGAGTTGCCCTCAGACGGTGGCACCATGGGTCCAAGCTCCAAATATCCAGATCCCCA 663  
 Db 533 GTGTGCTTATCTACGGCTTACCTACGGTCTTACCATCTTGTCAATTCTGGAAATCTGAA 592  
 Qy 664 GCGAGGAGACCACTGGTCACTATAGGCTTCAAAGGGCTTCTCTGGCAC 723  
 Db 593 ACARAGATCAAACATATTGGGCCAAATGTTAAGATTCTGTGTTCCAGAAAGCATC 652  
 Qy 724 ACATATCAAGTCACTGGCCATCGTCAACAGGGCAATAGGGCAATGAGGCTTGTCCACCATGG 783  
 Db 653 ATGTTAAAGTGTGAGCCATGAGGCAATGAGGCAATGAGGCTTGTGTCACCATGCC 712  
 Qy 784 AAGTCTTCAGTGCCTCCCGA -- GATGGACAGGGTCCCCCACCTCAGGGGCTGG 840  
 Db 713 TGCTCTTATCTAGTGCAGCAAACTTAAACAGCGTTCTGGAGTCGGCACAGTGGT 772  
 Qy 841 ACTCCAAAGTGAACACCGACCCGCTCAACTACTGCGCACAGGGCTGGGCC 900  
 Db 773 ATCACCCCAACATGCCGATTCCTCACCTGTGAAACTGTGATTTTGCTGGCTA 832  
 Qy 901 TGGTGGCCAAAGGCAATTAACTACCCAGAGAAAGGGCCCTGGGGTCAAGGGT 960  
 Db 833 TTGGTGAAGGGTTCTTATCACCTGTGGTAAATCCCTGGACTCTCATGG 892  
 Qy 961 CCTCCAGATAATCTGGCTGAAAGTCTACATACCAACACCACTGGTGTAGAAGGCCPA 1020  
 Db 893 ATCCCATATGTGTGCTCAGTGGAGTCATTAATGATAATCCACTATGAGGAAGGCTTA 952  
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 Db 953 TAGATAATTCTGGACTGGTTATTAACTGATAAATATGATCTGGG 1012  
 Qy 1081 TCATGGAGCTGGACTGGTGTACCGCCACTGTGGCCATTCACCAACGGAGCC 1140  
 Db 1013 TGATGAGGTGGCTCTGGCTCTGGCCCTTCAACATCCCTCAAGGATGTGACT 1072  
 Qy 1141 TCATCCTCTACTGGCTACTGGGACAGGCAAACTGGCACCCAGGGCACTG-----CCMC 1191  
 Db 1073 TCCAGTCTGGGGTCACTGGCACATTTGGAGTCGGCTCTGGAAAGGGCTGGAAAC 1132  
 Qy 1192 CCTCGGGATCCACATCTGGCTCTAGCTCCACACACCTACTGGAGAAAGGTG 1251  
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 Qy 1252 TCACAGTGGCTGGACTGGGAGTGGGGAGATCTGTGAAAGCAATCACTACA 1311  
 Db 1193 GGCTCGTCACTTGTGAAAGGGAGGAATGAAATTCTGGCTATGTGATGATTG 1252  
 Qy 1312 GCCCTCACTCCAGGAGATCCGCAATGTTGAAGAAGGGTCTGGTCAAGTCCGGAGATG 1371  
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 Qy 1372 TGTCATCACCTCTGGCACTACACAGGAAGCAGGGAGCTGGCTAACAGTGGGGCT 1431  
 Db 1313 ACCTTAATTACTGAGTGGCTACACAGGAAGTAGACCTGCAACTACTACCC 1477  
 Qy 1432 TGGGATCTGGAGATGTTGAAGGAGATCTGTCACATGGTCAACTACTACCC 14177  
 Db 1373 TAAGCAGGGAGTGAATGTGTCATCTACCTCTTATTACCC 1418

Qy ; APPLICANT: DeNooyer, Luc  
 Db ; APPLICANT: Filivroff, Ellen  
 Qy ; APPLICANT: Gao, Wei-Qiang  
 Db ; APPLICANT: Gerritsen, Mary E.  
 Qy ; APPLICANT: Goddard, Audrey  
 Db ; APPLICANT: Godowski, Paul J.  
 Qy ; APPLICANT: Gurney, Austin L.  
 Db ; APPLICANT: Sherwood, Steven  
 Qy ; APPLICANT: Smith, Victoria  
 Db ; APPLICANT: Stewart, Timothy A.  
 Qy ; APPLICANT: Tumans, Daniel  
 Db ; APPLICANT: Watabane, Colin K.  
 Qy ; APPLICANT: Wood, William  
 Db ; APPLICANT: Zhang, Zemin  
 Qy ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 Db ; ACIDS ENCODING THE SAME  
 Qy ; TITLE OF INVENTION: ACIDS ENCODING THE SAME  
 Db ; REFERENCE: P3330R1C291  
 Qy ; CURRENT APPLICATION NUMBER: US10/145,633  
 Db ; CURRENT FILING DATE: 2002-05-14  
 Qy ; Prior Application removed - See File Wrapper or Palm  
 Db ; NUMBER OF SBQ ID NOS: 550  
 Qy ; SEQ ID NO: 189  
 Db ; LENGTH: 2150  
 Qy ; TYPE: DNA  
 Db ; ORGANISM: Homo Sapien  
 US-10-145-633-189  
 Qy ; Query Match: 5.4%; Score: 146.8; DB: 12; Length: 2150;  
 Db ; Best Local Similarity: 47.3%; Pred. No. 1.2e-29;  
 Qy ; Matches: 618; Conservative: 0; Mismatches: 667; Indels: 21; Gaps: 5;  
 Qy ; 187 GCTACACCCAGGGGCCATCATTCAGCTCCAGTCCAGTCCAGCTCCTGTCAGGCTCAAGGCTCC 246  
 Db ; 119 GCTGAGGCCAGGCGCCAGATGCCCTTCCGGCTCAGGTGGCACTGCAAGCTACCG 178  
 Qy ; 247 TG--TTTGGATTCGACCTGGTGGAGCTTGAAGACGAGATTCGTTGCTGCTGG 303  
 Db ; 179 TGGCTTCGGCTCTCGCCACCGGGCATGGCTCCGGCAGTCGTGTCGGGGGG 238  
 Qy ; 304 CCGATGGGACACTGCCCATTTCGGGCCATCCACCTGGATTATTTACATGAAATAGAGTTGAAA 298  
 Db ; 239 TGGCCACCGGGCCATCCACCTGGATTATTTACATGAAATAGAGTTGAAA  
 Qy ; 364 TGGATCCCAAGGAGACTACCGTGTGCTGAGGTCAGGGCCAGAGGCCCTGACCC 423  
 Db ; 299 AAGATGCTAGCAGGATTACCATCTAGAATATGCTGAAATAGCAGCACACAAATAA 358  
 Qy ; 424 TGGTTTCAGAGGCCCTGGACACTGGAGACCCAAAGGATTACCTCATGTAAGAGGGCA 483  
 Db ; 359 TTGAATTACCAAGAGGCTGCAATGTCATATAATGAAAGATAAACGGATAACGGTTAGCA 418  
 Qy ; 484 CTGTCACATGGCTACGGGATCTGGCTCTGGGCTTGGGCTACTGGAGGCCATCAAGG 543  
 Db ; 419 CTGAGACTGATCTGGCTTACCATGAGATGTCAGGAGCTGCTGGCTTCAAGATGCT 478  
 Qy ; 544 GCTGGGCTGCACTGGGAGCTGGTCAAGGGTCAAGCTCCAAATATCCCGAAC 603  
 Db ; 479 ---ATGACTCCAAATGGGCACTGGCTGAGATGGCTTATGAACTCTGAAAGAAC--TA 532  
 Qy ; 604 CGGAGTTGGCTCAGACGGGTGACATGGAGTCAGTGGCTTATGGTCAAGGCTCCCA 663  
 Db ; 533 GTGNGCTATCTACGGCTTACCATGAGCTGAAATCTGTAATCTGTTGAAATCTGAA 592  
 Qy ; 664 GCCAGGAGACCACTGGCTACATGGGCTTCAAGGGCTTCAGGAGCTGGCACC 723  
 Db ; 593 ACAGAGATAACATATGGTGCCTAAATGTTAGATTCTGTGTTCCAGAAAGGCATC 652  
 Qy ; 724 ACATATCAAGTACAGGAGCCATGTCACCAAGGGCAATGAGGGCTTGGCACCACATGG 783  
 Db ; 653 ATGTTAAAGGGTGAAGCTGAGTGTACAGAGGCCATAGAGGTGCTGGTCACCATCC 712  
 Qy ; 784 AAGTCTCCAGGGCCACTGGTCCCCTCACTTCACTTCTTATTACCC 840

RESULT 32  
 US-10-145-633-189

Sequence 189, Application US/10145633  
 Publication No. US20030138892A1  
 GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Beresini, Maureen  
 ; APPLICANT: DeForge, Laura





Db	1253	ACTCTGATTCAGGGATTCTAGTATCTAAAGGAAACAAACATCTTACCGAGGATA	1312
Qy	1372	TGCTCATCACCTCTGCAAGTACACACCGAACCCGGAGCTGCCACAGTGGGGCT	1411
Db	1313	ACCTTAATTACTGACTGTGCTTACACACGAAAGTATAGCTGAGATGACTGGAGAC	1372
Qy	1432	TGGGATCTGGAGAGATGTGTCAACTAGTGCCTACTACCTACCC	1477
Db	1373	TAAGCACCAGGAGTGAATGTCTCATACCTCTTATTACCC	1418
RESULT 35			
	US-10-145-823-189		
	Sequence 189, Application US/10145823		
	Publication No. US20030134368A1		
	GENERAL INFORMATION:		
	APPLICANT: Baker, Kevin P.		
	APPLICANT: Beresini, Maureen		
	APPLICANT: DeForge, Laura		
	APPLICANT: Desnoyers, Luc		
	APPLICANT: Filvaroff, Ellen		
	APPLICANT: Gao, Wei-Qiang		
	APPLICANT: Gerriksen, Mary E.		
	APPLICANT: Goddard, Audrey		
	APPLICANT: Godowski, Paul J.		
	APPLICANT: Gurney, Austin L.		
	APPLICANT: Sherwood, Steven		
	APPLICANT: Smith, Victoria		
	APPLICANT: Stewart, Timothy A.		
	APPLICANT: Tumas, Daniel		
	APPLICANT: Watanabe, Colin K.		
	APPLICANT: Wood, William		
	Zhang, Zemin		
	TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC		
	FILE REFERENCE: P333081C22		
	CURRENT APPLICATION NUMBER: US/10/145,823		
	CURRENT FILING DATE: 2003-05-14		
	PRIOR APPLICATION removed - See File Wrapper or Palm		
	NUMBER OF SEQ ID NOS: 550		
	SEQ ID NO 189		
	LENGTH: 2150		
	TYPE: DNA		
	ORGANISM: Homo Sapien		
	US-10-145-823-189		
Qy	187	GCTACACCCAGGGCCATCCATTTCAGCTCTGGCTGGAGGCTCAAGGCTGGCTGCC	246
Db	119	GCTGGAGCCAGGGCGAGCCAGATCCCTTGCCTCCAGGTGGCACTGAGGTAGC	178
Qy	247	TG---TTGGGATGTCGCCACCTGGGAGGTTGAGACAGATCTGGTGTCTGGA	303
Db	179	TGGCTGGCTTCGCCACCGGCCATGGCAGCCGACATCGCTGGGGGG	238
Qy	304	CCGATGGGACACTGCGCTATTTGGCAGCGCTGAGTGGCAAGGGCAAGTCACC	363
Db	239	TGACCAAGGGGGCCATTCCAGATTATTCAATGCAATAGAGTGTGAA	298
Qy	364	TGGATCCAGGGACTACAGGCTCTGAGGTGAGGACCCAGAGGGCTGTGCC	423
Db	299	AAGATGCTCAGAAGTTACCATGCAATGCTGAGATATGCCATGACACATAA	358
Qy	424	TGCTTTCAGGGCCATTGGCTGCACTGGACCCAAAGGATTACCTATTGAAAG	483
Db	359	TGAAATTACAGAGGCTGCAATGTCACATAATGACAGAGTAAACGATAGCA	418
Qy	484	CTGTCACACTGGCTGAGGATCTGGATCTGGCTTGCTACTGGCCATCAAG	543
Db	419	CTGTGAGAGTGTGATCTGGCTTACACATGAAAGTGGAGCTGGTCCAAAGTAC	478

RESULT 36  
US-10-145-826-189  
; Sequence 189, Application US/10145826  
; Publication No. US20030134369A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Bereznik, Maureen

APPLICANT: DeForge, Laura  
 APPLICANT: Desnoyers, Luc  
 APPLICANT: Filvaroff, Ellen  
 APPLICANT: Gao, Wei-Oiang  
 APPLICANT: Geritsen, Mary E.  
 APPLICANT: Goddard, Audrey  
 APPLICANT: Godowski, Paul J.  
 APPLICANT: Gurney, Austin L.  
 APPLICANT: Sherwood, Steven  
 APPLICANT: Stewart, Victoria  
 APPLICANT: Tumas, Daniel  
 APPLICANT: Watanabe, Colin K.  
 APPLICANT: Wood, William  
 APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 FILE REFERENCE: P330R1C284

CURRENT FILING DATE: 2002-05-14  
 Prior Application removed - See File Wrapper or Palm  
 SEQ ID NO 189  
 LENGTH: 2150  
 TYPE: DNA  
 ORGANISM: Homo Sapien  
 US-10-145-826-189

Query Match 5 4%; Score 146 8; DB 12; Length 2150;  
 best\_local\_similarity 47.3%; Pred. No. 1.2e-29;  
 Matches 618; Conservative 0; Mismatches 667; Indels 21; Gaps 5;

Qy 187 GCTACACCCMGGAGCCATTCATTCCAGGTCTCTGTGGAGGCTCAGGGCTGGCT 246  
 Db 119 GCTGGAGCCAGGGGGAGCCAGATGCCCTCCAGGTGGCAGCTGGCTACG 178  
 Qy 247 TG--TTGGGATGTCGAGCGTGGCAGGTGGAAACCGAGATCTGGTCTCGA 303  
 Db 179 TGGGTTCCGCTTCTGCCACCGGGCATGGCTGGCTCCGGACATGTGGCGGG 238  
 Qy 304 CCGATGGGACACTGCTATTGGGAGCCCTGGAGTGGACAGGCTACAC 363  
 Db 239 TGGCCACGGGCCCTACCTCCGGATTATTACATGCAATAAGGTGAA 298  
 Qy 364 TGGATCCCCAGCAGGACTTCCAGGTGCTGGAGGAGCCAGGGCTGACC 423  
 Db 299 AAGATGCTCAGCAAGATTACCATCTAGAATATGCCATGGAAATAATA 358  
 Qy 424 TGCCTTCAGAAGGGCCTTGGACCTGGGACCCAAAGATTACCTCATGGAGACGCA 483  
 Db 359 TTGAATTACAGAGCTGGCATATGTGACATAATAAGGATAACAAATA 418

Qy 484 CTGTCCACTTGGCTACGGATCTGGAGGGCTTCCGGTCACTGGAGGCCATCAAG 543  
 Db 419 CTGTGAGAGTGATCGGCCCTACCCATGAAGATGCCAGTGGCTCCGAGTAC 478

Qy 544 GCTGGGGCTCTGGCAGATGGGCTGAGGTGGCTCTGGAGGCTCCATCCGAC 603  
 Db 479 --ATGACTCCAATAGGGCAGGAGTTGGCTTATGAACTCTGAGAAAC--TA 532

Qy 604 CGGACTTGGCTCAGACGGCTGACCATGGGTCCAAGCTCCAAATATCCAGATCCC 663  
 Db 533 GTGTGCTTACCTACAGCTTACCATGACTTGTGAAATAGGAGCTCCATCCA 592

Qy 664 GCCAGGAGACCACCTACTGCTGATTAAGGGCTTCAAGGGCTTCTGGCAC 723  
 Db 593 ACAGATGAACTATGGCTGCAAAATTTAGATTCTGTTCCAGAAAAGGATC 652

Qy 724 ACATATCCAGTAGAGCCATCTCAGCAAGGGCAATAGGGCCCTTGTCCACATG 783  
 Db 653 ATGTAATAAGGTTGAGCCAGTGTAGAGAAGGCTCATGAGTGTGCAACATC 712

Qy 784 AAGTCTCCAGTGGCCCCGA--GATGACAGCGTCCCCACTTCAGGGCCCTG 840

Db 713 TGCCTTATCAGTGCAGCAAACTTTAACAGACAGGTCTGGAGTCGGCACGAGTGT 772  
 Qy 841 ACTCCAAAGTGAACCCGACGGCTTCAACTACTGGCCCACTGTTGGGGCTGGCCC 900  
 Db 773 ATCACCCACATGCCGATGCTTCACCTGTGAAACTGTGATTGTTGCTGGCTA 832  
 Qy 901 TGGGGCCAGGCATTACTACCCAGAGGGCTTCTGGCTCTGGGGTCAAGGGT 960  
 Db 833 TTGGTGGAGGGCTTCTTCTTATCCACCTCATGTTGGATTATCCCTGGACTCTGATTAG 892  
 Qy 961 CCTCCAGATATCCTGGCCCTGAAGTCACTACCAACCCACTGGTGTAGAAGGAGCAA 1020  
 Db 893 ATCCCGATATGGCTCCPAGACTGCTTCAATTATGATAATCCACATTGAGGAAGCTTAA 952  
 Qy 1021 ACGACTCCCTAGGGCTTCTGGACTACAGCCAACTGGCTTCAACCGGGAAACGGCT 1080  
 Db 953 TAGATAATTCTGGACTGAGTTATTCAACATAGATAAATATGATGGGGGG 1012  
 Qy 1081 TCAATGGAGCTGGACTGGGTACAGCCAGTGTGGCTATCCACACAGGGAGACGGCT 1140  
 Db 1013 TGATTTGGGTGGCTCTGGTGAACCTCCATACCATCCCTCAGGATGGCTGAGT 1072  
 Qy 1141 TCATCTCATCTGGTACTGGACAAAGTGCACCAAGTGGCACTG-----CCTC 1191  
 Db 1073 TCCAGTGTAGGGTCACTGCACTTGGAGTGGCTTCACTTACCTTAAAGGCTTGGAAAGGCT 1132  
 Qy 1192 CCTCCGGGATTCACATCTGGCTCTCACTGCTGGAGAAGGTGG 1251  
 Db 1133 CAAGTGGAAATTCACTGTTGCTGTCTCCTCCATCTGCTGGAGCATCA 1192  
 Qy 1252 TCACAGTGTGGCTGGGAGGATCTGGGAGATCTGGCTATGATGATGATGTTTGG 1252  
 Db 1193 GGCTCGTGTATTCTGAAAGGGAGGAATGARATACTCTGGCTATGATGATGTTTGG 1252  
 Qy 1312 GGCCTCACTTCAGGAGATCCGATGTTGAAGAAGGCTCGTGTGGCTCATCGGAGATG 1371  
 Db 1253 ACTTAAATTCCAGGAGTTCACTTCACTTAAAGGAAACAACATCTTACCGAGATA 1312  
 Qy 1372 TGCTCATCCTCTGGCTGGAGCTGCCAGCTGGCTGGGGCTACAGTGGGGGGCT 1431  
 Db 1313 ACCTAATTACTGAGTCCTCCTACACACAAAGTAGACTGTGAGCTGGAGGAC 1372  
 Qy 1432 TCGGGATCTGGAGGAGATGTCCTCAACTACGTCGACTACTACCC 1477  
 Db 1373 TAACCCACCAAGGAGTGAATGTTTATTACCC 1418

RESULT 37  
 US-10-145-870-189  
 Sequence 189, Application US/10145870  
 ; GENERAL INFORMATION:  
 ; APPICANT: Baker, Kevin P.  
 ; APPICANT: Beresini, Maureen  
 ; APPICANT: DeForge, Laura  
 ; APPICANT: Desnoyers, Luc  
 ; APPICANT: Filvaroff, Ellen  
 ; APPICANT: Gao, Wei-Qiang  
 ; APPICANT: Geritsen, Mary E.  
 ; APPICANT: Goddard, Audrey  
 ; APPICANT: Godowski, Paul J.  
 ; APPICANT: Gurney, Austin L.  
 ; APPICANT: Sherwood, Steven  
 ; APPICANT: Smith, Victoria  
 ; APPICANT: Stewart, Timothy A.  
 ; APPICANT: Tumas, Daniel  
 ; APPICANT: Watanabe, Colin K  
 ; APPICANT: Wood, William  
 ; APPICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; TITLE OF INVENTION: ACIDS ENCODING THE SAME  
 ; FILE REFERENCE: P330R1C274







Qy 784 AAGTCCTCACAGTGGCCCCGA---GATGGACAGCGCTCCCCACTTCAGGGGCCCTGGG 840  
 Db 713 TGCCTATCACTGACACAACATTAACGAGCTTCTGGAGTCGGACAGCTTCAGGATGCT 772  
  
 Qy 841 ACTCCAAAGATGAAACCGAACGGCCTCAAACTACTGCGCCACGTGCTGGCGGCGCTGGCC 900  
 Db 773 ATCACCCAAATGCCCCATGCCGATSCATTCTCACCTGAAACTGTGATTTRGCCTGGCTA 832  
  
 Qy 901 TGGGTGCCAAGGCAATTAACTACCCAGGAAAGGGCGCPTGGGGTCCAGGGT 960  
 Db 833 TTGGTCGAGGGCTTTCTATCCACCTCATGTGGATPATCCCTTGACTCCATTAG 892  
  
 Qy 961 CCTCCGAGATACTCCCGCTGGAAAGTCACTACCAACCAACTGTGATAAGGAGAA 1020  
 Db 893 ATCCGATTAATGGCTCTTCAAGTCATATGATAATCCACATGAGAAAGCTTA 952  
  
 Qy 1021 ACGACTCTCTAGGGCATCCGGTGTACTAACAGCCAAAGCTGGGGCTCAACGGGGGA 1080  
 Db 953 TAGATAATTCTGGACTTGAGGTATTTCACAAATGGATAAATGATGCTGGGG 1012  
  
 Qy 1081 TCATGGAGCTGGGACTGGTGTACACCCAGTGTGCACTCCAGGAGACGGCT 1140  
 Db 1013 TGATTCGGCTGGCTCTGGCTGAGCTTCCATGGATGCTGAGT 1072  
  
 Qy 1141 TCATCCCACTGGCTACTGGCTACTGGGAAAGTGCACCCAGCTGCCTGCT 1191  
 Db 1073 TCCAGTCGAGGGTCACTGGCTACTGGCTACTGGCTGAGTCAGTGGCTGCTGAGCGAAAAGC 1132  
  
 Qy 1192 CCTCCGGATCCACATCTGGCTCTCAAGCTCCACACACCTGACTGGGAAAGGTGG 1251  
 Db 1133 CAAGTCGAAATCTGTTCTGTCCTCCATGCTGCTGGAGGCCATCA 1192  
  
 Qy 1252 TCACATGTGCTGGTCCGGACGGCCGGAGTGGGAATCTGAAACAGGAAATCACTACA 1311  
 Db 1193 GGCTCGGTCAATTTCGAAAGGGAAATTACTCTGCCTATGTGTGATGTTTG 1252  
  
 Qy 1312 GCCCTCACTTCAGGGATTCGCATGTTGAAAGGTGGCTCATCGGGAGATG 1371  
 Db 1253 ACTTCATTTCCAGGGTTCAAGTCAATGGGAAACAACATCTPACCGAGATA 1312  
  
 Qy 1372 TGCTCATCACCTCCCTGACACCTACACAGGAAGACGGAGCTGGCCACAGTGGGGCT 1431  
 Db 1313 ACCTTAATCTGAGTGTGCTGCTACACAGGAAGTAGGTGAGTGTGGAGGGAC 1372  
  
 Qy 1432 TCGGATTCCTGGAGGATGTGTCACACTGTCACACTACTACCC 1477  
 Db 1373 TAAGGCCACGGAGTGAATCTCATACCTCTTATTACCC 1418

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 Job time : 2246 secs

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